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PASSWORD:

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         Apr 08
                 "Ask CAS" for self-help around the clock
NEWS
         Apr 09
                 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS
         Apr 09
                 ZDB will be removed from STN
         Apr 19
                 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS
         Apr 22
NEWS
                 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS
         Apr 22
                 BIOSIS Gene Names now available in TOXCENTER
NEWS 8
         Apr 22
                 Federal Research in Progress (FEDRIP) now available
                 New e-mail delivery for search results now available
NEWS
         Jun 03
NEWS 10
         Jun 10
                 MEDLINE Reload
NEWS 11
         Jun 10
                 PCTFULL has been reloaded
NEWS 12
         Jul 02
                 FOREGE no longer contains STANDARDS file segment
NEWS 13
         Jul 22
                 USAN to be reloaded July 28, 2002;
                 saved answer sets no longer valid
NEWS 14
         Jul 29
                 Enhanced polymer searching in REGISTRY
NEWS 15
         Jul 30
                 NETFIRST to be removed from STN
NEWS 16
         Aug 08
                 CANCERLIT reload
NEWS 17
         Aug 08
                 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18
         Aug 08
                 NTIS has been reloaded and enhanced
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         Aug 19
                 Aquatic Toxicity Information Retrieval (AQUIRE)
                 now available on STN
NEWS 20
         Aug 19
                 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21
                 The MEDLINE file segment of TOXCENTER has been reloaded
         Aug 19
NEWS 22
                 Sequence searching in REGISTRY enhanced
         Aug 26
                 JAPIO has been reloaded and enhanced
NEWS 23
         Sep 03
NEWS 24
         Sep 16
                 Experimental properties added to the REGISTRY file
NEWS 25
         Sep 16
                CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01
                CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27
        Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25
                More calculated properties added to REGISTRY
NEWS 33 Dec 02
                TIBKAT will be removed from STN
NEWS 34 Dec 04
                CSA files on STN
                 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 35 Dec 17
NEWS 36 Dec 17
                 TOXCENTER enhanced with additional content
                 Adis Clinical Trials Insight now available on STN
NEWS 37 Dec 17
NEWS 38 Dec 30
                 ISMEC no longer available
NEWS 39
         Jan 21
                 NUTRACEUT offering one free connect hour in February 2003
NEWS 40
         Jan 21
                 PHARMAML offering one free connect hour in February 2003
NEWS 41 Jan 29
                 Simultaneous left and right truncation added to COMPENDEX,
                 ENERGY, INSPEC
NEWS 42
        Feb 13
                 CANCERLIT is no longer being updated
NEWS 43
        Feb 24
                METADEX enhancements
NEWS 44
        Feb 24
                PCTGEN now available on STN
NEWS 45
        Feb 24
                TEMA now available on STN
NEWS 46
                NTIS now allows simultaneous left and right truncation
        Feb 26
NEWS 47 Feb 26 PCTFULL now contains images
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NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
NEWS 50 Mar 20 EVENTLINE will be removed from STN
NEWS 51 Mar 24 PATDPAFULL now available on STN

NEWS 52 Mar 24 Additional information for trade-named substances without structures available in REGISTRY

NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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=> s microcapsul?
L1 32716 MICROCAPSUL?

=> s 12 and crosslink?

L3 105 L2 AND CROSSLINK?

=> s 13 and core? L4 66 L3 AND CORE?

=> dup rem 14
PROCESSING COMPLETED FOR L4
L5 66 DUP REM L4 (0 DUPLICATES REMOVED)

=> d ibib ab 1-YOU HAVE REQUESTED DATA FROM 66 ANSWERS - CONTINUE? Y/(N):y

filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8

2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING

L5 ANSWER 1 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US

1999-267213,

Continuation

Nov

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<C
L5 ANSWER 1 OF 66 USPATFULL

ACCESSION NUMBER:

INVENTOR(S):

Answer and transmembrane polypeptides and nucleic acids encoding the same
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
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OUTPREY, Verseth' J. Sen Francisco, CA, UNITED STATES
OUTPREY, AUSTIN L., Belmont, CA, UNITED STATES
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OUTPREY, AUSTIN L., Belmont, CA, UNITED STATES
OUTPREY, Verseth' J. Sen Francisco, CA, UNITED STATES
OUTPREY, AUSTIN L., Belmont, CA, UNITED STATES
OUTPREY, AUSTIN L., Belmont, CA, UNITED STATES
                                                                                                                                                                                                                                                                                             Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lefayette, CA, UNITED STATES Klgavin, Ivar J., Lefayette, CA, UNITED STATES Kloo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hillaborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hilaborough, CA, UNITED STATES Generatech, Inc. (U.S. corporation)
         PATENT ASSIGNEE(S):
                                                                                                                                                                                                                                                                                                                                                                  NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KIND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DATE
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PATENT INFORMATION:	US 2003055216 A1 20030320
APPLICATION INFO.:	US 2001-978824 A1 20011017 (9) *
RELATED APPLN. INFO :	Continuation of Ser. No. US 1998-40220, filed on 17
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	1998, GRANTED, Pat. No. US 6391311 Continuation of
Ser.	
	No. US 1998-105413, filed on 26 Jun 1998, ABANDONED
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	1998-184216, filed on 2 Nov 1998, ABANDONED
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Ser.	
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Pat.	no. 05 1777 Eddido, Titta on 10 Mai 1777, GRANTED,

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of Ser. No. US 2000-747259, filed on 20 Dec 2000,
PENDING Continuation of Ser. No. US 2001-816744, filed
on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
Continuation
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US 1999-141037P 19990623 (60)
US 1999-142680P 19990707 (60)
US 1999-145698P 19990726 (60)
US 1999-16222P 19990728 (60)
US 1999-162506P 19991029 (60)
                                                                                                                   Utility
APPLICATION
   FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                                  Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
201 California Street, Suite 1150, San Francisco, CA,
94111
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 21577
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                                 or polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
                   ANSWER 2 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US
1999-267213,
                                                                                                              filed on 12 Mar 1999, ABANDONED Continuation of Ser.
No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
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May 1999, PENDING Continuation of Ser. No. US 360137,
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LS ANSWER 2 OF 66
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TITLE:
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Anhkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Dernestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Deanoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrare, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Goo, Wei-Giang, Pelo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
                                                                                                                      Grimaidi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lefayette, CA, UNITED STATES Kloo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hillaborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Pooni, Nicholas F., Belmont, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES GENENTECH, INC. (U.S. corporation)
   PATENT ASSIGNEE(S):
                                                                                                                                                 NUMBER
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                                                                                                                         US 2003054986 A1 20030320 US 2003-981915 A1 20011016 (9) Continuation of Ser. No. US 1998-40220, filed on 17
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1998-184216, filed on 2 Nov 1998, ABANDONED
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Continuation of Ser. No. US 1998-40220, filed on 17 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN, INFO.: 1998, GRANTED, Pat. No. US 6391311 Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, ABANDONED Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, ABANDONED Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-187368, filed on 6 Nov 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708 Continuation of Ser. No. US 1999-265686, filed on 10 Mar 1999, GRANTED, Pat. No. US 6455283 Continuation of Ser. No. US

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US 1999-146228P 19990726 (60)

DOCUMENT TYPE: UILITY

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: KNOBER, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 1

NUMBER OF CLAIMS: 17

EXEMPLARY CLAIM: 1

NUMBER OF DERAWINGS: 237 Drawing Page (a)

LINE COUNT: 2127

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising those nucleic acid sequences, on the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention inventions of the polypeptides of the present invention and to methods for producing the polypeptides of the present invention invention.
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APPLICATION
Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 Newport Center Drive, Sixteenth Floor, Newport
Beach, CA, 92660
57
 DOCUMENT TYPE:
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                    237 Drawing Page(s)
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OF DRAWINUS: 23/ Meaning regular,
NUNT: 1659

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 4 OF 66	
ACCESSION NUMBER:	2003:71954 USPATFULL
TITLE:	Secreted and transmembrane polypeptides and nucleic
	acids encoding the same
INVENTOR(S):	Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
	Baker, Kevin P., Darnestown, MD. UNITED STATES
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	Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
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	Goddard, Audrey, San Francisco, CA, UNITED STATES
	Godowski, Paul J., Burlingame, CA, UNITED STATES
	Grimaldi, J. Christopher, San Francisco, CA, UNITED
	STATES
	Gurney, Austin L., Belmont, CA, UNITED STATES
	Hillan, Kenneth J., San Francisco, CA, UNITED STATES
	Kljavin, Ivar J., Lafayette, CA, UNITED STATES
	Kuo, Sophia S., San Francisco, CA, UNITED STATES
	Napier, Mary A., Hillsborough, CA, UNITED STATES
	Pan, James, Belmont, CA, UNITED STATES
	Paoni, Nicholas F., Belmont, CA, UNITED STATES
	Roy, Margaret Ann, San Francisco, CA, UNITED STATES
	Shelton, David L., Oakland, CA, UNITED STATES
	Stewart, Timothy A., San Francisco, CA, UNITED STATES
	Tumas, Daniel, Orinda, CA, UNITED STATES
	Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
	Wood, William I., Hillsborough, CA, UNITED STATES
PATENT ASSIGNEE(S):	Genentech, Inc. (U.S. corporation)

PATENT INFORMATION: APPLICATION INFO .: RELATED APPLN. INFO .: NUMBER KIND DATE

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Continuation of Ser. No. US 2001-918585, filed on 30
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NUMBER

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US 1998-100038P 19
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              ANSWER 4 OF 66 USPATFULL
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                                                                        Utility
APPLICATION
Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                        94111
57
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                        237 Drawing Page(s)
                   UNT: 21202

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
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polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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SPATFULL

2003:71953 USPATFULL

Secreted and transmembrane polypeptides and nucleic acide encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Betaker, Kevin P., Darneetown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Betaker, Kevin P., Darneetown, MD, UNITED STATES
Betaker, Napoleone, San Franciaco, CA, UNITED STATES
Ferrara, Napoleone, San Franciaco, CA, UNITED STATES
Ferrara, Napoleone, San Franciaco, CA, UNITED STATES
Goo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Good, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Franciaco, CA, UNITED STATES
Gerber, Hanspeter, San Franciaco, CA, UNITED STATES
Goddard, Audrey, San Franciaco, CA, UNITED STATES
Goddwaki, Paul J., Burlingame, CA, UNITED STATES
Goddwaki, Paul J., Burlingame, CA, UNITED STATES
Godwaki, Paul J., Burlingame, CA, UNITED STATES
Hillan, Kenneth J., San Franciaco, CA, UNITED STATES
KUO, Sophia S., San Franciaco, CA, UNITED STATES
KUO, Sophia S., San Franciaco, CA, UNITED STATES
Napier, Mary A., Hilleborough, CA, UNITED STATES
Paoni, Nicolas F., Belmont, CA, UNITED STATES
Paoni, Nicolas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Franciaco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
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Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
      ACCESSION NUMBER:
      TITLE:
INVENTOR(S):
   PATENT ASSIGNED(S) .
                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER
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PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN, INFO.:

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US 2001-978403	A1	200	1016 (9)			
Continuation of	Ser. No.	. US	2001-918585,	filed	on 30	þ
Jul 2001, PENDIN	IG					

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WO 2000-US4341

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DOCUMENT TYPE: FILE SEGMENT: LEGAL REPRESENTATIVE:

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NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
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             OF DERWINGS: 236 UTawing region,
DUNT: 21872
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
LINE COUNT:
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polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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L5 ANSWER 6 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71952 USPATFULL
TITLE: Secreted and In-
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Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Betson, Dan L., San Rafael, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fing, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, July Christopher, San Francisco, CA, UNITED STATES
GOTIMAIDI, J. Christopher, San Francisco, CA, UNITED
STATES
                                                                                                                                                                                                                                                                                                                                                  1999-267213,
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 INVENTOR(S):
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on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
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Gurney, Austin L., Belmont, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
KLO, Sophis S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hilleborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
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 PATENT ASSIGNEE(S):
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APPLICATION INFO.:
RELATED APPLN. INFO.:
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                ANSWER 6 OF 66 USPATFULL
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WO 2000-US13705 20
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LS ANSWER 7 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71449 USPATFULL
TITLE: Secret

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L5 ANSWER 6 OF 66 USPATFULL
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19990728 (60)
19991029 (60)
DOCUMENT TYPE:
                                                                 Utility
APPLICATION
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                 Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT
BEAR DRIVE, SIXTEENTH FLOOR, NEWPORT
57
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                 237 Drawing Page(s)
LINE COUNT:
                                                                 15094
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The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
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polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
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PATPULL (Continued)
US 1999-131270P 19990427 (60)
US 1999-131272P 19990427 (60)
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US 1999-162506P 1999003 (60)
US 1999-162506P 1999003 (60)
US 1999-162506P 19991029 (60)
Utility
APPLICATION
Ginger R. Dreger, Knobbe Martene Olson & Bear, Suite
1150, 201 California Street, San Francisco, CA, 94111
                     ANSWER 7 OF 66 USPATFULL
 DOCUMENT TYPE:
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
AB The present
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OF DRAWINGS: 46 Drawing Page(s)
DUNT: 11519
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
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polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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2001:71449 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same personal control of the same person
INVENTOR(S):
  PATENT ASSIGNEE (S):
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                                                                                                                                                                                                                                                                                                                                       NUMBER
                                                                                                                                                                                                                                                                               US 2003049734 Al 20030313
US 2001-36150 Al 20011226 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
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ANSWER 8 OF 66 USPATFULL
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Secreted and tranamembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napeleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fing, Sherman, Alameda, CA, UNITED STATES
Goo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, J. Christopher, San Francisco, CA, UNITED
STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
       ACCESSION NUMBER:
                                                                                                                                                                                                                                        2003:71399 USPATFULL
TITLE:
INVENTOR(S):
                                                                                                                                                                                                                            Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES Curney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Iver J., Lefayette, CA, UNITED STATES Klyavin, Iver J., Lefayette, CA, UNITED STATES Kloo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hilleborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Maif Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
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PATENT ASSIGNEE(S):

NUMBER KIND DATE

US 2003049684 A1 2003013
US 2001-17081 A1 20011024 (10)
Continuation of Ser. No. US 2001-918555, filed on 30
Jul 2001, PENDING Continuation of Ser. No. US
1998-40220, filed on 17 Mer 1998, GRANTED, Pat. No. US
6391311 Continuation of Ser. No. US 1998-105413, filed
on 26 Jun 1998, ABANDONED Continuation of Ser. No. US
1998-168798, filed on 7 Oct 1998, ABANDONED
Continuation of Ser. No. US 1998-184216, filed on 2 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

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1998. ABANDONED Continuation of Ser. No. US
1998-187168, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998.
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998. ABANDONED Continuation of Ser. No. US
1999-254645, filed on 5 Mar 1999, GRANTED, Pat. No. US
6410708 Continuation of Ser. No. US 1999-265686, filed
on 10 Mar 1999, GRANTED, Pat. No. US 645283
Continuation of Ser. No. US 1999-267213, filed on 12
Mar 1999, ABANDONED Continuation of Ser. No. US
1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-31812, filed on 14
May 1999, PENDING Continuation of Ser. No. US 380137,
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on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1001-180138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US

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PRIORITY INFORMATION
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DOCUMENT TYPE:
FILE SEGMENT:
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PATFULL (Continued)
KNOBBE, MARTENS, OLSON 6 BEAR, LLP, 2040 MAIN STREET,
FOURTEENTH FLOOR, IRVINE, CA, 92614
57 NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 21673
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric vectors and now certs comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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L5 ANSWER 9 OF 66 USPATFULL
ACCESSION NUMBER: 2003:711348 USPATFULL
TITLE: Secreted and transment
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No. US 6455283 Continuation of Ser. No. US
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Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleome, San Francisco, CA, UNITED STATES
Ferrara, Napoleome, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Good, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, J. Christopher, San Francisco, CA, UNITED
STATES
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 INVENTOR (S) :
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on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
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GURNEY, AUSTIN L., Belmont, CA, UNITED STATES
GURNEY, AUSTIN L., Balmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Klyavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pani, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Boy, CA, UNITED STATES
Williams, P. Mickey, Half Moon Boy, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
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APPLICATION INFO.:
RELATED APPLN. INFO.:
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WO 2000-US13705 20
WO 2000-US14042 20
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US 1999-141037P 19990623 (60)
US 1999-142680P 19990707 (60)
US 1999-145698P 19990726 (60)
US 1999-146222P 19990726 (60)
US 1999-162506P 19991029 (60)
US 1999-162506P 19991029 (60)
US ESEMENT: APPLICATION
ALL REPRESENTATIVE: Ginger R. Dreser, Esg. Knobbe M.
    DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                         Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
94111
   NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                ARY CLAIM: 1
OF DRAWINGS: 237 Drawing Page(s)
DUNT: 21674
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                                polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
 L5 ANSWER 10 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US
  1999-267213.
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No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-31832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 380137,
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
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on 22 Mar 2001, PENDING Continuation of Ser. No. US
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LS ANSWER 10 OF 66

ACCESSION NUMBER:
TITLE:

1003:65338 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same

Ashkenazi, Avi J., San Mateo, CA, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Botstein, David, Belmont, CA, UNITED STATES

Desnoyers, Luc. San Francisco, CA, UNITED STATES

Desnoyers, Luc. San Francisco, CA, UNITED STATES

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Goddard, Audrey, San Francisco, CA, UNITED STATES

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Godwaki, Paul J., San Francisco, CA, UNITED STATES

Gurney, Austin L., Belmont, CA, UNITED STATES

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Kuo, Sophia S., San Francisco, CA, UNITED STATES

Napier, Mary A., Hillaborough, CA, UNITED STATES

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Paon, Jamea, Belmont, CA, UNITED STATES

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Paon, Jamea, Belmont, CA, UNITED STATES

Shelton, David L., Oakland, CA, UNITED STATES

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Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES

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L5 ANSWER 10 OF 66 USPATFULL (CONTINUE US 1999-141037P US 1999-142680P US 1999-146528P US 1999-146222P US 1999-146222P US 1999-162506P US 1999
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LEGAL REPRESENTATIVE:
                                                                                                                                                                                                                Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
        NUMBER OF CLAIMS:
        EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
    EXEMPLARY CLAIM: 1

NUMBER OF DEAWINGS: 237 Drawing Page(s)

LINE COUNT: 21638

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                                                              ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies wh
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
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USPATFULL

2003:64781 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botatein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddowski, Paul J., Hillaborough, CA, UNITED STATES
Godneway, Austin L., Belmont, CA, UNITED STATES
KIjavin, Ivar J., Layfayette, CA, UNITED STATES
Kijavin, Ivar J., Layfayette, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Stewart, Timothy A, San Francisco, CA, UNITED STATES
Stewart, Timothy A, San Francisco, CA, UNITED STATES
Natenabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Woraga, 
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CCESSION NUMBER:
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US 2003044902 A1 20030306
US 2002-66193 A1 20020201 (10)
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APPLICATION INFO.:
RELATED APPLN, INFO.:
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WO 1998-US19093
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APPLICATION
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DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
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    NUMBER OF CLAIMS:
    EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
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    LINE COUNT: 12208
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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ANSWER 11 OF 66 USPATFULL (Continued)

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

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or
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

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ANSWER 12 OF 66 USPATFULL (Continued)

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DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
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APPLICATION
Ginger R. Dreger, Knobbe Martens Olson & Bear, 201
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L5 ANSWER 12 OF 66 USPATFULL
ACCESSION NUMBER: 2003:64723 USPATFULL
TITLE: Second and
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2003:64723 USPATFULL

2003:64723 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same 
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES 
Baker, Kevin P., Darnestown, MD, UNITED STATES 
Botatein, David A., Belmont, CA, UNITED STATES 
Desnoyers, Luc. San Francisco, CA, UNITED STATES 
Desnoyers, Luc. San Francisco, CA, UNITED STATES 
Ferrars, Napoleone, San Francisco, CA, UNITED STATES 
Forg, Sherman, Alameda, CA, UNITED STATES 
Gerber, Hanspeter, San Francisco, CA, UNITED STATES 
Gerber, Hanspeter, San Francisco, CA, UNITED STATES 
Gerber, Hanspeter, San Francisco, CA, UNITED STATES 
Goddard, Audrey, San Francisco, CA, UNITED STATES 
Goddard, Audrey, San Francisco, CA, UNITED STATES 
Goddard, Audrey, San Francisco, CA, UNITED STATES 
Kljavin, Ivar J., Layfayette, CA, UNITED STATES 
Kljavin, Ivar J., Layfayette, CA, UNITED STATES 
Kljavin, Ivar J., Layfayette, CA, UNITED STATES 
Napier, Mary A., Hillaborough, CA, UNITED STATES 
Napier, Mary A., Hillaborough, CA, UNITED STATES 
Paoni, Nicholae F., Belmont, CA, UNITED STATES 
Paoni, Nicholae F., Belmont, CA, UNITED STATES 
Paoni, Nicholae F., Belmont, CA, UNITED STATES 
Roy, Margaret Ann, San Francisco, CA, UNITED STATES 
Stewart, Timothy A., San Francisco, CA, UNITED STATES 
Stewart, Timothy A., San Francisco, CA, UNITED STATES 
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES 
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES 
Chang, Zemin, Foeter City, CA, UNITED STATES 
Genentech, Inc. (non-U.S. corporation)
   INVENTOR (S) :
   PATENT ASSIGNEE(S):
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	NUMBER	KIND DATE	
PATENT INFORMATION:			
APPLICATION INFO.:			
RELATED APPLN. INFO.:	Continuation of 2001, PENDING	Ser. No. US 2001	-2796, filed on 15 Nov
	NUMBER	DATE	
PRIORITY INFORMATION:	WO 1998-US14552	19980714	
	WO 1998-US18824		
	WO 1998-US19093		
	WO 1998-US19330		
	WO 1998-US19437		
	WO 1998-US24855		
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L5 ANSWER 12 OF 66 USPATFULL
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                                                    California Street, Suite 1150, San Francisco, CA.
 94111
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
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                                                     75 Drawing Page(s)
NUMBER OF DRAWINGS: 75 Drawing Mage(s)
LINE COUNT: 12202
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
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polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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SPATFULL
2003:64721 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same besnoyers, Luc. San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godwaki, Paul J., Hilleborough, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Newart, Timothy A., San Francisco, CA, UNITED STATES Watanabe, Colin K., Morega, CA, UNITED STATES Wood, William I., Hilleborough, CA, UNITED STATES Conditions of the Colon of the
                                                        ANSWER 13 OF 66 USPATFULL
          ACCESSION NUMBER:
      TITLE:
      INVENTOR (S):
      PATENT ASSIGNEE (S):
                                                                                                                                                                                                                                                                                                                              NUMBER KIND DATE

US 2003044842 Al 20030306
US 2001-36160 Al 2001126 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
Aug 2001, PENDING
          PATENT INFORMATION:
      APPLICATION INFO.:
RELATED APPLN. INFO.:
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      PRIORITY INFORMATION:
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L5 ANSWER 14 OF 66 USPATFULL ACCESSION NUMBER: 2003:574
INVENTOR (S) :
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US 1999-1312371P 19990427 (60)
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US 1999-138166P 19990508 (60)
US 1999-144791P 19990608 (60)
US 1999-144791P 19990608 (60)
US 1999-162506P 19991029 (60)
US 1999-162706P 19991029 (60)
UT 11ty
Ginger R. Dreger, Knobbe Martena Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111
            DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
             NUMBER OF CLAIMS
            NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 1147
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric
                                  ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies wh
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
           LS ANSWER 14 OF 66 USPATFULL
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JSPATPULL

2003:57450 USPATPULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Dernestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Godo, Sherman, Alameda, CA, UNITED STATES
Godo, Sherman, Alameda, CA, UNITED STATES
Godowaki, Paul J., Hollaborough, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Nautin L., Belmont, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, P. Mickey, Half Moon Bay, CA, UNITED STATES
Watanabe, P. Mickey, Half Moon Bay, CA, UNITED STATES
Watanabe, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Chang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. U.S. corporation)
PATENT ASSIGNEE(S):
                                                                                                                                                                                                                                                           NUMBER KIND DATE

US 2003040014 A1 20030227
US 2002-66269 A1 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
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PRIORITY INFORMATION:
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DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
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PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

PRIORITY INFORMATION:

ANSWER 14 OF 66 USPATFULL (Continued)
E COUNT:
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INDEXING IS AVAILABLE FOR THIS PATENT.
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                                                                                                                                                       Utility
APPLICATION
KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
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NUMBER OF CLAIMS:

NUMBER
WO 1998-US19093
WO 1998-US19433
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INDEXING IS AVAILABLE FOR THIS PATENT.
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, or polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

NUMBER

NUMBER

KIND DATE US 2003032063 A1 20030213 US 2002-66494 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

DATE

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L5 ANSWER 16 OF 66

ACCESSION NUMBER:

INVENTOR(S):

Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darneatown, MD, UNITED STATES
Baker, Kevin P., Darneatown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Franciaco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Geo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Geo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Georetic, Hanspeter, San Franciaco, CA, UNITED STATES
Geodewski, Paul J., Hillaborough, CA, UNITED STATES
Goddwski, Paul J., Hillaborough, CA, UNITED STATES
Gutney, Austin L., Belmont, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Mather, Jennie P., Millbare, CA, UNITED STATES
Mather, Jennie P., Millbare, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Franciaco, CA, UNITED STATES
Roy, Margaret Ann, San Franciaco, CA, UNITED STATES
Roy, Margaret Ann, San Franciaco, CA, UNITED STATES
Watanabe, Colin K., Noraga, CA, UNITED STATES
Watanabe, Colin K., Noraga, CA, UNITED STATES
Watanabe, Colin K., Noraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Mood, William I., Hillaborough, CA, UNITED STATES
Mood, William I., Hillaborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

NUMBER

WIND DATE

PATENT INFORMATION:
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W 2003-66273 Al 2003021
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L5 ANSWER 16 OF 66 USPATFULL (Continued)
US 1999-16949SP 19991207 (60)

DOCUMENT TYPE: UILILY
FILE SEGMENT: APPLICATION
KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

SEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 1204
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric

ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

LS ANSWER 17 OF 66

ACCESSION NUMBER:

2003:44751 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same

Desnoyers, Luc, San Francisco, CA, UNITED STATES

Eaton, Dan L., San Rafael, CA, UNITED STATES

Goddward, Audrey, San Francisco, CA, UNITED STATES

Goddward, Audrey, San Francisco, CA, UNITED STATES

Godward, Paul J., Hillsborough, CA, UNITED STATES

Gurney, Austin L., Belmont, CA, UNITED STATES

Pan, James, Belmont, CA, UNITED STATES

Necedy, Water T, Timochy, A., San Francisco, CA, UNITED STATES

Watenabe, Colin K., Morega, CA, UNITED STATES

Wood, William I., Hillsborough, CA, UNITED STATES

Wood, William I., Hillsborough, CA, UNITED STATES

Commented, I., Hillsborough, CA, UNITED STATES

Genentech, I., Hillsborough, CA, UNITED STATES

Chang, Zemin, Foster City, CA, UNITED STATES

Genentech, Inc. (U.S. corporation)

NUMBER KIND DATE

NUMBER
DATE

PRIORITY INFORMATION: MO 1999-US10733 19990514
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LS ANSWER 17 OF 66 USPATFULL (Continued)

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US 1999-146570P 19990803 (60)

US 1999-14650P 19991029 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGGAL REPRESENTATIVE: Ginger R. Dreger. Eaq., Knobbe, Martens, Olson & Bear, LLP, 201 California Street #1150, San Francisco, CA, 94111-3335

NUMBER OF CLAIMS: 21

EXEMPLARY CLAIM: 16 Drawing Page(s)

LINE COUNTANINGS: 46 Drawing Page(s)

LINE COUNTS: 13 AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric

polypeptide molecules comprising those nucleic acid sequences, chimeric

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention and to methods for
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ANSWER 18 OF 66 USPATFULL (Continued)
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DOCUMENT TIPL:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
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LS ANSWER 18 OF 66
ACCSSION NUMBER:
TITLE:
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenzi, Avi J., San Matco, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Eaton, Dan L., San Francisco, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerbitsen, Mary E., San Mateo, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Godward, Paul J., Hillaborough, CA, UNITED STATES
Godward, Paul J., Hillaborough, CA, UNITED STATES
Kljavin, Ivez J., Layfayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Walliams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Walliams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Zhang, Zemin, Poster City, CA, UNITED STATES
Canner States
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PATENT INFORMATION:	US	2003032057	A1	20030213	
APPLICATION INFO.:	US	2001-2796	Al	20011115	(10)
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PRIORITY INFORMATION:	WO	1998-US14552	19980	0714	
	WO	1998-US18824	19980	0910	
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	WO	1998-US24855	1998	1120	
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	WO	1999-US5028	19990	308	
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	WO	1999-US21090	19990	915	
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	WO	1999-U528301	19991	1201	
	WO	1999-US28313	19991	1130	
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L5 ANSWER 18 OF 66 USPATFULL (Continued)
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAIMS: 75 Drawing Page(8)
LINE COUNT: 12185

NUMBER OF DRAWINGS: 75 Drawing Page(#)
LINE COUNT: 12185
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences.

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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LS ANSWER 19 OF 66
ACCESSION NUMBER:
TITLE:
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Deenoyers. Luc. San Francisco. CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddowski, Paul J., Hillsborough, CA, UNITED STATES
Godweki, Paul J., Hillsborough, CA, UNITED STATES
Stewart, Timothy A., San Francisco. CA, UNITED STATES
Stewart, Timothy A., San Francisco. CA, UNITED STATES
Watenabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)
                                                                                                                                NUMBER KIND DATE

US 2003027249 A1 20030206
US 2001-931836 A1 20010816 (9)
Continuation of Ser. No. US 1999-311832, filed on 14
May 1999, PENDING Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-644848, filed on 22
Aug 2000, PENDING Continuation of Ser. No. US
2000-747259, filed on 20 Dec 2000, PENDING
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RELATED APPLN. INFO.:
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on 10 May 2001, PENDING Continuation of Ser. No. US
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on 29 Jun 2001, ABANDONED Continuation of Ser. No. US
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WO 2000-US5601
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Secreted and transmembrane polypeptides and nucleic acids encoding the same
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddwaki, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
                                                                                                                              NUMBER KIND DATE

US 2003008348 A1 20030109
US 2001-35855 A1 20031226 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
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1999-131291P 1999-132371P

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LS ANSWER 19 OF 66 USPATFULL (Continued)

US 1998-1131300P 19981223 (60)

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US 1999-13283P 19990504 (60)

US 1999-13656P 19990503 (60)

US 1999-1366P 19990608 (60)

US 1999-14791P 19990608 (60)

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US 1999-14670P 19990803 (60)

US 1999-162506P 19991029 (60)
      NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11478
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                                                             polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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L5 ANSWER 20 OF 66	USPATFULL (Continued)
	US 1999-132379P 19990504 (60)
	US 1999-132383P 19990504 (60)
	US 1999-135750P 19990525 (60)
	US 1999-138166P 19990608 (60)
	US 1999-144791P 19990720 (60)
	US 1999-146970P 19990803 (60)
	US 1999-162506P 19991029 (60)
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite
	1150, 201 California Street, San Francisco, CA, 94111
NUMBER OF CLAIMS:	21
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	46 Drawing Page(s)
LINE COUNT:	11475
CAS INDEXING IS AVAILA	ABLE FOR THIS PATENT.
AB The present inv	vention is directed to novel polypeptides and to nucleic
acid molecules	encoding those polypeptides. Also provided herein are
vectors and hos	st cells comprising those nucleic acid sequences,
chimeric	

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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ANSWER 21 OF 66 USPATFULL
SSION NUMBER: 2003:4063 USPATFULL
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2003;4063 USPATFULL

Secreted and transmembrane polypeptides and nucleic acida encoding the same

Asikenazi, Avi J.. San Mateo, CA, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Botatein, David, Belmont, CA, UNITED STATES

Desnoyers, Luc, San Francisco, CA, UNITED STATES

Eaton, Dan L.. San Rafael, CA, UNITED STATES

Ferrara, Napoleone, San Francisco, CA, UNITED STATES

Filvaroff, Ellen, San Francisco, CA, UNITED STATES

Filvaroff, Ellen, San Francisco, CA, UNITED STATES

Fong, Sherman, Alameda, CA, UNITED STATES

Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES

Gerber, Hanspeter, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddwin, Paul J., Burlingame, CA, UNITED STATES

Grimaldi, J. Christopher, San Francisco, CA, UNITED

STATES
    ACCESSION NUMBER:
TITLE:
    INVENTOR(S):
                                                                                                                                                     STATES
GURNEY, AUSTIN L., Belmont, CA, UNITED STATES
GURNEY, AUSTIN L., Belmont, CA, UNITED STATES
Hillen, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
KLjavin, Ivar J., Lafayette, CA, UNITED STATES
KLO, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, Mangaret Ann, San Francisco, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
    PATENT ASSIGNEE(S):

        NUMBER
        KIND
        DATE

        US 2003004102
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        Continuation of Ser. No. US 1998-40220, filed on 17

    PATENT INFORMATION:
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APPLICATION INFO.:
RELATED APPLN. INFO.:
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                                                                                                                                                          1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2
                                                                                                                                                       1998. ABANDONED Continuation of Ser. No. US
1998-187368. filed on 6 Nov 1998. PENDING Continuation
of Ser. No. US 1998-202054. filed on 7 Dec 1998.
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998. ABANDONED Continuation of Ser. No. US
1999-2546545. filed on 5 Mar 1999. PENDING Continuation
of Ser. No. US 1999-265686, filed on 10 Mar 1999.
PENDING Continuation of Ser. No. US 1999-267213, filed
on 12 Mar 1999. ABANDONED Continuation of Ser. No. US
1999-284291, filed on 12 Apr 1999. ABANDONED
Continuation of Ser. No. US 1999-31852, filed on 14
May 1999, PENDING Continuation of Ser. No. US 380137,
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 DOCUMENT TYPE:
                                                                                                                                                     Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
94111
57
 LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
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LINE COUNT: 21608
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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DEAING IS AVAILABLE FOR THIS FALENT.
The present invention is directed to novel polypeptides and to nucleic scid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for

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LS ANSWER 21 OF 66 USPATFULL (Continued)
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8
  Nov
                                                                                                                    2000, PENDING Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING Continuation of Ser. No. US 2000-74759, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816749, filed on 22 Mar 2001, PENDING
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                                  ISWER 21 OF 66 USPATFULL (Continued) producing the polypeptides of the present invention.
                  ANSWER 21 OF 66 USPATFULL
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Page 23
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L5 ANSWER 22 OF 66 USPATFULL
ACCESSION NUMBER: 2002:32
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US 1999-131270P 1999
US 1999-131272P 1999
US 1999-131291P 1999
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2002:337392 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same Desnoyers, Duc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Goddwski, Paul J., Hillsborough, CA, UNITED STATES Godwski, Paul J., Hillsborough, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Wacanabe, Colin X., Moraga, CA, UNITED STATES Wood, Milliam I., Hillsborough, CA, UNITED STATES Canna, Zemin, Foster City, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
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19990504 (60)
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  INVENTOR (S):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US 1999-112371P 19990504 (60)
US 1999-112319P 19990504 (60)
US 1999-1123181P 19990504 (60)
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US 1999-144791P 19990608 (60)
US 1999-144791P 19990720 (60)
US 1999-162506P 19991029 (60)
US111CATION
APPELICATION
California Street, Suite 1150, San Franciaco, CA,
                                                                                                                                                                                                                                                                                                                                                                                                                          DOCUMENT TYPE:
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LEGAL REPRESENTATIVE:
  PATENT ASSIGNEE(S):
                                                                                                            NUMBER KIND DATE

US 2002192751 A1 20021219
US 2001-36041 A1 20011226 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
Aug 2001, PENDING
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EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
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EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11582
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
   PATENT INFORMATION:
   RELATED APPLA. INFO.:
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  PRIORITY INFORMATION:
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polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies wh
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
                       ANSWER 23 OF 66 USPATFULL
                                                                                                                                                                                                                                                                                                                                                                                                                        L5 ANSWER 23 OF 66 USPATFULL
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SPATFULL
2002:337348 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, J. Christopher, San Francisco, CA, UNITED STATES
Godmand, J. Christopher, San Francisco, CA, UNITED STATES
GUILDEN, Austria L. Baleone, CA, UNITED STATES
ACCESSION NUMBER:
TITLE:
INVENTOR (5):
                                                                                                                                                                                           Grimaldi, J. Chriatopher, San Francisco, CA, UNITED STATES GUrney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lefayette, CA, UNITED STATES Klyavin, Ivar J., Lefayette, CA, UNITED STATES Klyoin, Soyhia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hilleborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumes, Daniel, Orinda, CA, UNITED STATES Tumes, Daniel, Orinda, CA, UNITED STATES Wood, Milliam I., Hillaborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
                                                                                                                                                                                             NUMBER KIND DATE

US 2002192706 A1 20021219

US 2001-999813 A1 20011024 (9)

Continuation of Ser. No. US 1998-40220, filed on 17
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
Mar
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199	8,	GRANTED,	Pat.	No.	US	6391311
		NUMBER		DA	TE	
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WO	19	98-US2114	1	1998	100	7
WO	19	98-US2485	5	1998	1126	2

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RIORITY	INFORMATION:	WO	1998-US21141	19981007
		WO	1998-US24855	19981120
		WO	1999-US106	19990105
		WO	1999-US5028	19990308
		wo	1999-US5190	19990310
		wo	1999-US10733	19990514
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		WO	1999-US28551	19991202
		WO	1999-US28565	19991202
		WO	1999-US30095	19991216
		WO	1999-US31243	19991230
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		WO	2000-US219	20000105
		WO	2000-US277	20000106
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		wo	2000-1162566	30000311

NO 2000-US3565

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L5 ANSWER 23 OF 66 USPATFULL (Continued)

US 1998-8183PP 19980415 (60)

US 1998-8195PP 19980415 (60)

US 1998-8256PP 19980415 (60)

US 1998-8256PP 19980421 (60)

US 1998-8270PP 19980422 (60)

US 1998-8273PP 19980422 (60)

US 1998-8270PP 19980422
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L5 ANSWER 24 OF 66 USPATFULL (Continued)

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LS ANSWER 24 OF 66 USPATFULL
ACCESSION NUMBER: 2002:337276 USPATFULL
TITLE: EG-VEGF nucleic acids and polypeptides and methods of
                                                                                                      use
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Watanabe, Colin, Moraga, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
Shek, Theresa, San Mateo, CA, UNITED STATES
 INVENTOR (S):
                                                                                                                          NUMBER
                                                                                                                                                                               KIND DATE
                                                                                                    US 2002192634 A1 20021219 (10)
S 2001-27603 A1 20011219 (10)
Continuetion-in-part of Ser. No. US 2001-886242, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. W0 2000-US32678, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. W0 2000-US8439, filed on 30 Mar 2000, PENDING Continuation-in-part of Ser. No. W0 2000-US4914, filed on 24 Peb 2000, PENDING Continuation-in-part of Ser. No. W0 2000-US2919, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser.
   PATENT INFORMATION:
   APPLICATION INFO.:
RELATED APPLN, INFO.:
 Nο
                                                                                                     WO 1999-US12252, filed on 2 Jun 1999, PENDING
Continuation-in-part of Ser. No. US 2000-709238, filed
on 8 Nov 2000, PENDING Continuation of Ser. No. US
380137, PENDING A 371 of International Ser. No. WO
1999-US12252, filed on 2 Jun 1999, PENDING
                                                                                                 US 2000-210978P 20000907 (60)
US 2000-213637P 20000623 (60)
US 1999-146598P 19990726 (60)
US 1998-96146P 19980811 (60)
US 1998-96146P 19980811 (60)
ULILITY
APPLICATION
KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,
FOURTEENTH FLOOR, IRVINE, CA, 92614
61
                                                                                                                                 NUMBER
                                                                                                                                                           DATE
  PRIORITY INFORMATION:
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS: 61

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 59 Drawing Page(s)

LINE COUNT: 4926

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides designated herein as EG- VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising
                           polypeptides. Also provided herein are vectors and host cells sing those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.
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LS ANSWER 25 OF 66

ACCESSION NUMBER:

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			NUMBER	DATE
ΤY	INFORMATION:		1998-US14552	1998071
		WO		1998091
			1998-US19093	1998091
		WO	1998-US19330	1998091
		WO	1998-US19437	1998091
		WO	1998-US24855	19981120
		WO	1998-US25108	1998120
		WO	1998-US25190	1998112
		WO	1999-US5028	1999030
		WO	1999-US12252	1999060
		WO	1999-US20111	1999090
		WO	1999-US20594	1999090
		WO	1999-US21090	1999091
		WO	1999-US21547	1999091
		WO	1999-US28301	1999120
		WO	1999-US28313	19991130
		WO	1999-US28565	19991202
		WO	1999-US30999	19991220
		WO	2000-US219	20000109
		WO	2000-US4341	20000218
		WO	2000-US4342	20000218

Nov

No.

Continuation

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ANSWER 25 OF 66 USPATFULL (Continued)
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W0 2000-US5801 2000
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19981028 (60)
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19990817 (60)
19991207 (60)
DOCUMENT TYPE:
                                                                                                                                                                                                                                                                                                 APPLICATION
   FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                                                                                                                                                                                                              Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite
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L5 ANSWER 26 OF 66 1	JSPATFULL		
ACCESSION NUMBER:	2002:307559 USPATFULL		
TITLE:	EG-VEGF nucleic acids and polypeptides and methods of		
	use		
INVENTOR(S):	Ferrara, Napoleone, San Francisco, CA, UNITED STATES		
	Watanabe, Colin, Moraga, CA, UNITED STATES		
	Wood, William I., Hillsborough, CA, UNITED STATES		
	The state of the s		
	NUMBER KIND DATE		

	US 2002172678 A1 20021121		
APPLICATION INFO.:	US 2001-886242 A1 20010620 (9)		
	NUMBER DATE		
DELCE WAY AND ADMINISTRA			
PRIORITY INFORMATION:			
200100000000000000000000000000000000000	US 2000-213637P 20000623 (60)		
DOCUMENT TYPE:			
FILE SEGMENT:			
LEGAL REPRESENTATIVE:			
	DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660		
NUMBER OF CLAIMS:			
EXEMPLARY CLAIM:			
NUMBER OF DRAWINGS:	50 Drawing Page(s)		
LINE COUNT:	4912		
CAS INDEXING IS AVAILAB	BLE FOR THIS PATENT.		
AB The present invention is directed to novel polypeptides designated			
herein as EG-VEC	F and to nucleic acid molecules encoding those		
and the same of th			

herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention tused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

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LS ANSMER 25 OF 66 USPATFULL (Continued)
1150, 201 California Street, San Francisco, CA, 94111
NUMBER OF CLAIMS: 39
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 12214
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric
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ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

L5 ANSWER 27 OF 66	USPATFULL.
ACCESSION NUMBER:	2002:301735 USPATFULL
TITLE:	Secreted and transmembrane polypeptides and nucleic
	acids encoding the same
INVENTOR(S):	Ashkenazi, Avi, San Mateo, CA, UNITED STATES Baker, Kevin P., Darnestown, MD, UNITED STATES Botstein, David, Belmont, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES
	Eaton, Dan, San Rafael, CA, UNITED STATES
	Ferrara, Napoleone, San Francisco, CA, UNITED STATES Filvaroff, Ellen, San Francisco, CA, UNITED STATES Fong, Sherman, Alameda, CA, UNITED STATES
	Gao, Wei-Qiang, Foster City, CA, UNITED STATES
	Gerber, Hanspeter, San Francisco, CA, UNITED STATES
	Gerritsen, Mary E., San Mateo, CA, UNITED STATES
	Goddard, Audrey, San Francisco, CA, UNITED STATES Godowski, Paul J., Burlingame, CA, UNITED STATES
	Grimaldi, J. Christerpher, San Francisco, CA, UNITED
	STATES
	Gurney, Austin L., Belmont, CA, UNITED STATES
	Hillan, Kenneth J., San Francisco, CA, UNITED STATES
	Kljavin, Ivar J., Lafayette, CA, UNITED STATES
	Kuo, Sophia S., San Francisco, CA, UNITED STATES
	Napier, Mary A., Hillsborough, CA, UNITED STATES
	Pan, James, Belmont, CA, UNITED STATES
	Paoni, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES
	Shelton, David L., Oakland, CA, UNITED STATES
	Stewart, Timothy A., San Francisco, CA, UNITED STATES
	Tumas, Daniel, Orinda, CA, UNITED STATES
	Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
	Wood, William I., Hillsborough, CA, UNITED STATES
PATENT ASSIGNEE(S):	Genentech, Inc. (U.S. corporation)
	NUMBER KIND DATE
PATENT INFORMATION:	US 2002169284 Al 20021114
APPLICATION INFO.:	US 2001-978697 A1 20011016 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17

1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2

1998. ABANDONED Continuation of Ser. No. US
1998-187368, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998,
PENDING Continuation of Ser. No. US 1999-218517, filed
on 22 Dec 1998, ABANDONED Continuation of Ser. No. US
1999-254655, filed on 5 Mar 1999, PENDING Continuation
of Ser. No. US 1999-265686, filed on 10 Mar 1999,
PENDING Continuation of Ser. No. US 1981-267213, filed
on 26 May 1981, GRANTED, Pat. No. US 4195652
Continuation of Ser. No. US 1999-284291, filed on 12
Apr 1999, ABANDONED Continuation of Ser. No. US
1999-311832, filed on 14 May 1999, PENDING

of Ser. No. US 380137, PENDING Continuation of Ser.

US 1999-380138, filed on 25 Aug 1999, ABANDONED

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ANSWER 27 OF 66 USPATFULL

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SPATFULL (Continued)
Continuetion of Ser. No. US 1999-380142, filed on 25
Aug 1999, ABANDONED Continuation of Ser. No. US
2000-709238, filed on 8 Nov 2000, PENDING Continuation
of Ser. No. US 2000-723749, filed on 27 Nov 2000,
PENDING Continuation of Ser. No. US 2000-747259, filed
on 20 Dec 2000, PENDING Continuation of Ser. No. US
2001-816744, filed on 22 Mar 2001, PENDING
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                                                                                                                                                                     of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING
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 Continuation
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                                                                                                                                                                                                                    NIMBER
                                                                                                                                                                                                                                                                                                                   DATE
PRIORITY INFORMATION.
                                                                                                                                                               W0 1998-US21141
W0 1998-US21141
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L5 ANSWER 28 OF 66 USPATFULL ACCESSION NUMBER: 2002:30 2002:301734 USPATFULL Clasp-7 transmembrane protein Lu. Peter S., Mountain View, CA, UNITED STATES Lu. Peter S., Mountain View, CA, UNITED STATES Garman, Jonathan David, San Jose, CA, UNITED STATES Candia, Albert F., III, Menlo Park, CA, UNITED STATES TITLE: INVENTOR(S):

	NUMBER KIND DATE
PATENT INFORMATION:	
APPLICATION INFO.:	
	NUMBER DATE
PRIORITY INFORMATION:	US 2000-240508P 20001013 (60)
	US 2000-240503P 20001013 (60)
•	US 2000-240539P 20001013 (60)
	US 2000-240543P 20001013 (60)
	US 2000-196267P 20000411 (60)
	US 2000-196527P 20000411 (60)
	US 2000-196528P 20000411 (60)
	US 2000-196460P 20000411 (60)
	US 2000-182296P 20000214 (60)
	US 2000-176195P 20000114 (60)
	US 1999-170453P 19991213 (60)
	US 1999-162498P 19991029 (60)
	US 1999-160860P 19991021 (60)
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO
	CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS:	37
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	34 Drawing Page(s)
LINE COUNT:	4837
CAS INDEXING IS AVAILA	BLE FOR THIS PATENT.
	ention relates to a cell surface molecule, designated
	symmetry protein-7 ("CLASP-7"). In particular, it
relates	,

COMMENT OF COMMENT OF

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L5 ANSWER 27 OF 66 USPATFULL (Continued)
W0 2001-US9552 200:
W0 2001-US17092 200:
W0 2001-US17800 200:
                                                                                                           20010322
                                                                                                           20010525
                                                                                                           20010601
                                                         WO 2001-US19692
                                                                                                           20010620
                                                            WO 2001-US21066
                                                                                                           20010629
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS: 94111

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 237 Drawing Page(s)

LINE COUNT: 21798

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric
                polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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SPATFULL
2002:272488 USPATFULL
Implantable biocompatible immunoisolatory vehicle for
delivery of selected therapeutic products
Dionne, Keith E., Rehoboth, MA, UNITED STATES
Emerich, Dwaine F., Providence, RI, UNITED STATES
Hoffman, Diane, Cambridge, MA, UNITED STATES
Samberg, Paul R., Spring Hill, FL, UNITED STATES
Christenson, Lise, New Heven, CT, UNITED STATES
Hegre, Orion D., Green Valley, AZ, UNITED STATES
Scharp, David W., St. Louie, MO, UNITED STATES
Lacy, Paul E., Webster Grove, MO, UNITED STATES
Aebischer, Patrick, Lutry, SWITZERLAND
Vasconcellos, Alfred V., Ctanston, RI, UNITED STATES
Lysaght, Michael J., E. Greenwich, RI, UNITED STATES ANSWER 29 OF 66 USPATFULL ACCESSION NUMBER: TITLE: INVENTOR(S):

NUMBER KIND DATE

US 2002150603 A1 20021017
US 2001-7344 A1 20011025 (10)
Continuation of Ser. No. US 2000-563248, filed on 2 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: 2000, GRANTED, Pat. No. US 6322804 Division of Ser.

US 1998-148671, filed on 4 Sep 1998, GRANTED, Pat. No. US 6083523 Division of Ser. No. US 1995-449837, filed on 24 May 1995, GRANTED, Pat. No. US 5874099 Division of Ser. No. US 1994-179151, filed on 10 Jan 1994, GRANTED, Pat. No. US 5800828 Continuation-in-part of Ser. No. WO 1992-US3327, filed on 22 Apr 1992, UNIXNOWN Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, ABANDONED Utility APPLICATION MINTZ LEVIN, One Financial Center, Boston, MA, 02111

DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:

EXEMPLARY CLAIM:

1 SPAWING:

9 Drawing Page(s)

LINE COUNT:

LINE COUNT:

1733

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An immunoisolatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeelective, biocompatible, peripheral region free of the isolated cells, which immunoisolates the core yet provides for the delivery of the secreted product or metabolic function to the individual. The vehicle is particularly well-suited to delivery of insulin from immunoisolated islets of Langerhams, and can also be used advantageously for delivery of high molecular weight products, such as products larger than 1gG. A method of making a biocompatible, immunoisolatory implantable vehicle, consisting in a first embodiment of

a coextrusion process, and in a second embodiment of a stepwise

A method for isolating cells within a biocompatible, immunoisolatory implantable vehicle, which protects the isolated cells from attack by the immune system of an individual in whom the vehicle is implanted. A method of providing a needed biological product or metabolic function

to

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L5 ANSWER 29 OP 66 USPATFULL (Continued)
an individual, comprising implanting into the individual an
immunoisolatory vehicle containing isolated cells which produce the
product or provide the metabolic function.
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LIS ANSWER 30 OF 66 USPATFULL
ACCESSION NUMBER: 2002:191204 USPATFULL
TITLE: CLASP-5 transmembrane protein
LU, Peter S., Mountain View, CA, UNITED STATES
Candia, Albert P., III, Menlo Park, CA, UNITED STATES
Candia, Albert P., III, Menlo Park, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2002:102267 A1 20020801
APPLICATION INFO: US 2000-736960 A1 20001013 (60)
US 2000-240501P 20001013 (60)
US 2000-240501P 20001013 (60)
US 2000-240501P 20001013 (60)
US 2000-240501P 20001013 (60)
US 2000-19652P 20001013 (60)
US 2000-19652P 20000411 (60)
US 2000-19652P 20000414 (60)
US 2000-19652P 20000414 (60)
US 2000-19652P 20000414 (60)
US 2000-17615P 20000144 (60)
US 2000-17615P 20000144 (60)
US 1999-16249P 19991029 (60)
US 1999-16249P 19991029 (60)
US 1999-16249P 19991021 (60)
US 1999-162
```

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L5 ANSWER 31 OF 66 USPATFULL ACCESSION NUMBER: 2002...
                                                                         2002:171651 USPATFULL
                                                                         Cytoprotective biocompatible containment systems for biologically active materials and methods of making
                                                                         same
Soon-Shiong, Patrick, Malibu, CA, UNITED STATES
Desai, Neil, Low Angeles, CA, UNITED STATES
Ron, Nilesh, Culver City, CA, UNITED STATES
Sojomihardjo, Andrew S., West Covina, CA, UNITED
   INVENTOR (S) :
  STATES
                                                                         Heintz, Roswiths, Los Angeles, CA, UNITED STATES
Curcio, Francesco, Westlake Village, CA, UNITED STATES
VivoRx, Inc. (U.S. corporation)
  PATENT ASSIGNEE (S) :
                                                                      NUMBER KIND DATE

US 2002090399 A1 20020711
US 2001-29582 A1 20011220 (10)
Division of Ser No. US 1999-264187, filed on 9 Mar
1999, PENDING
Utiliry
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
  DOCUMENT TYPE:
                                                                         Utility
APPLICATION
  FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                        Stephen E. Reiter, Foley & Lardner, P.O. Box 80278.
Diego, CA, 92138-02/6

NUMBER OF CLAIMS: 64

EXEMPLARY CLAIM: 1

LINE COUNT: 1732

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or
                                                                         Diego, CA, 92138-0278
                     ents secreted by the biologic, and immunoreactivity) that can be varied to adapt to a broader range of physiological conditions than known biological containment systems. There are also provided methods of making capsules containing cell aggregates therein, as well as the capsules formed thereby, which are useful as a quantitatively plentiful and low cost alternative to usage of freshly harvested cell aggregates (e.g., islets from pancreas), since the latter are usually available only in limited numbers.
```

TITLE: INVENTOR(S):	Clasp-3 transmembrane protein Lu, Peter S., Mountain View, CA, UNITED STATES Garman, Jonathan D., San Jose, CA, UNITED STATES Candia, Albert F., III, Menlo Park, CA, UNITED STATES
	NUMBER KIND DATE
PATENT INFORMATION:	US 2002086382 A1 20020704
APPLICATION INFO.:	US 2000-737246 A1 20001213 (9)
	NUMBER DATE
PRIORITY INFORMATION:	1/2 2002 240500D 20004442 /401
PRIORITE INFORMATION:	US 2000-240508P 20001013 (60) US 2000-240503P 20001013 (60)
	US 2000-196267P 20000411 (60) US 2000-196527P 20000411 (60)
	US 2000-196528P 20000411 (60)
	US 2000-196460P 20000411 (60)
	US 2000-196460P 20000411 (60) US 2000-182296P 20000214 (60)
	US 2000-182296P 20000214 (60)
	US 1999-170453P 19991213 (60)
	US 1999-162498P 19991029 (60)
	US 1999-160860P 19991021 (60)
DOCUMENT TYPE:	Utility 19991021 (60)
FILE SEGMENT:	APPLICATION
	TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO
BEOME RUPAESENTATIVE:	CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS:	37
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	54 Drawing Page(s)
LINE COUNT:	5126
CAS INDEXING IS AVAILABLE FOR THIS PATENT. AB The present invention relates to a cell surface molecule, design	
relates	
to CLASP-3 polyn	ucleotides, polypeptides, fusion proteins, and
	invention also relates to methods of modulating an
immune response	by interfering with CLASP-3 function.

2002:164764 USPATFULL

ANSWER 32 OF 66 USPATFULL

ACCESSION NUMBER:

L5 ANSWER 34 OF 66 USPATFULL ACCESSION NUMBER: 2002:112583 USPATFULL

PATENT INFORMATION: APPLICATION INFO.:

PRIORITY INFORMATION: DOCUMENT TYPE:

FILE SEGMENT: LEGAL REPRESENTATIVE:

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L5 ANSWER 35 OF 66 USPATFULL 
ACCESSION NUMBER: 2002:16
                                                                         SPATFULL
2002:16657 USPATFULL
Superoxide dismutase or superoxide dismutase mimic coating for an intracorporeal medical device
Muchal, Rugene T., San Francisco, CA, UNITED STATES
Buchko, Christopher J., Redwood City, CA, UNITED
   TITLE:
   INVENTOR (S):
  STATES
                                                                          Kilpatrick, Deborah L., Mountain View, CA, UNITED
                                                                         STATES
Bigus, Stephen J., San Jose, CA, UNITED STATES
Advanced Cardiovascular Systems, Inc. (non-U.S.
  PATENT ASSIGNEE (S) :
                                                                           corporation)
                                                                      US 2002009535 A1 20020124
US 2001-827977 A1 20010406 (9)
Continuation-in-part of Ser. No. US 1999-240914, filed on 29 Jan 1999, GRANTED, Pat. No. US 6287285
Continuation-in-part of Ser. No. US 1998-16694, filed on 30 Jan 1998, GRANTED, Pat. No. US 6221425
Utility
APPLICATION
Priscilla Mark
  PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
  DOCUMENT TYPE:
  FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                         Priscilla Mark, Heller Ehrman White & McAuliffe LLP, 275 Middlefield Road, Menlo Park, CA, 94025-3506
  NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                          4 Drawing Page(s)
NUMBER OF DRAWINGS: 4 Drawing rage(s)

LINE COUNT: 1518

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of providing a therapeutic, diagnostic or lubricious hydrophilic coating on an intracorporeal medical device and the coated device produced thereby, wherein the coating is durable. In one embodiment, the coating comprises a polymerized base coat and a top
                     having a therapeutic, diagnostic or hydrophilic agent, where the base coat has a binding component which binds to the top coat, and a
                     or component which binds to the binding component and adheres to the device. In another embodiment, the coating comprises a blend of an agent, a grafting component, and salt. In one embodiment, the therapeutic agent is superoxide dismutase or a superoxide dismutase mimic. The coating of the invention may be applied to a medical device with a polymeric surface such as a polymeric catheter, or a metal
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such as a stent coated with a polymeric primer or without a primer.

L5 ANSWER 33 OF 66 USPATFULL
ACCESSION NUMBER:
TITLE:
INVENTOR(S):
Lu, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan D., San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

NUMBER

US 2002068302 US 2001-736969

US 2000-240508P

NUMBER

CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94117-3637

EXEMPLARY CLAIM: 1

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 47 Drawing Page(s)

LINE COUNT: 5116

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-4 ("CLASP-4"). In particular, it

s

to CLASP-4 polynucleotides, polypeptides, fusion proteins, and
antibodies. The invention also relates to methods of modulating an
immune response by interfering with CLASP-4 function.

KIND DATE

DATE

20001013 (60)

UP:11ty
APPLICATION
TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO
CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

A1 20020606 A1 20010507 (9)

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2002:112583 USPATFULL
Gels for encapsulation of biological materials
Hubbell, Jeffrey A., Concord, MA, UNITED STATES
Pathak, Chandrashekhar P., Waltham, MA, UNITED STATES
Sawhney, Amerpreet S., Newton, MA, UNITED STATES
Desai, Neil P., Los Angeles, CA, UNITED STATES
Hossainy, Syed F.A., Austin, TX, UNITED STATES
THE BOAND OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
  TITLE:
INVENTOR(S):
 PATENT ASSIGNEE(S):
                                                                                       (U.S. corporation)
                                                                                                      NUMBER
                                                                                                                                                  KIND
                                                                                                                                                                              DATE
                                                                                     US 2002058318 Al 20020516
US 2001-811901 Al 20010319 (9)
Continuation of Ser. No. US 1997-783387, filed on 13
Jan 1997, GRANTED, Pat. No. US 6258870 Division of
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                     No. US 1995-484160, filed on 7 Jun 1995, ABANDONED
Division of Ser. No. US 1992-958870, filed on 7 Oct
1992, GRANTED, Pat. No. US 5529914
 Continuation-in-part
                                                                                   of Ser. No. US 1992-870540, filed on 20 Apr 1992, ABANDONED Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992. ABANDONED Utility APPLICATION LYON £ LYON LLP, 633 WEST FIFTH STREET, SUITE 4700,
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
LOS
                                                                                     ANGELES, CA, 90071
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Page(s)
LINE COUNT: 2285
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of water
                         soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species.
                          Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules
                        of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.
                ANSWER 36 OF 66
                                                                           USPATFULL
 ACCESSION NUMBER
                                                                                   2002:332479 USPATPULL
Cytoprotective biocompatible containment systems for
biologically active materials and methods of making
                                                                                    Mame
Soon-Shiong, Patrick, Malibu, CA, United States
Desai, Neil, Los Angeles, CA, United States
Ron, Nilesh, Culver City, CA, United States
Sojomihardjo S., Andrew, West Covina, CA, United
INVENTOR(S):
States
                                                                                   Heintz, Roswitha, Los Angeles, CA, United States
Curcio, Francenco, Westlake Village, CA, United States
VivoRx, Inc., Santa Monica, CA, United States (U.S.
corporation)
PATENT ASSIGNEE(S):
                                                                                                                                                KIND
                                                                                                    NUMBER
                                                                                                                                                                            DATE
                                                                                   US 6495161
US 1999-264187
Utility
GRANTED
                                                                                                                                                                      20021217
19990309 (9)
 PATENT INFORMATION
                                                                                                                                                     B1
PATENT INFORMATION:
APPLICATION INFO.:
DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                                                   GRANTED
Jones, Dameron L.
Reiter, Stephen E., Foley & Lardner
26
           MPLARY CLAIM: 1
BER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
E COUNT: 1507
INDEXING IS AVAILABLE FOR THIS PATENT.
In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or ponents
                     ents
secreted by the biologic, and immunoreactivity) that can be varied to
adapt to a broader range of physiological conditions than known
biological containment systems. There are also provided methods of
making capsules containing cell aggregates therein,
as well as the capsules formed thereby, which are useful as a
quantitatively plentiful and low cost alternative to usage of freshly
harvested cell aggregates (e.g., islets from
pancreas), since the latter are usually available only in limited
numbers.
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ANSWER 37 OF 66 USPATFULL
                                                                                                           SPATFULL
2002:269428 USPATFULL
Treating medical conditions by polymerizing macromers
to form polymeric materials
Hubbell, Jeffrey A., Zumikon, SWITZERLAND
Pathak, Chandrashekhar P., Austin, TX. United States
Sawhney, Amarpreet, Bedford, MA, United States
Desai, Neil, Los Angeles, CA, United States
Hossainy, Syed, Edison, NJ, United States
Hill-West, Jennifer L., Pearland, TX, United States
Board of Regents, The University of Texas Systems,
Austin, TX, United States (U.S. corporation)
 ACCESSION NUMBER:
TITLE:
 INVENTOR (S):
   PATENT ASSIGNEE(S):
                                                                                                           NUMBER XIND DATE

US 6465001 B1 20021015
US 1998-33871 19980303 (9)
Continuation of Ser. No. US 1995-467693, filed on 6
   PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                          1995, now patented, Pat. No. US 5834274 Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 Continuation-in-part of Ser. No. US 1952-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Continuation-in-part of Ser. No. US 1992-475175, filed on 7 Jun 1995, now patented, Pat. No. US 5846530 Division of Ser. No. US 1994-232054, filed on 28 Apr 1994, now patented, Pat. No. US
 5837747
                                                                                                           Utility
GRANTED
 DOCUMENT TYPE:
  FILE SEGMENT:
PRIMARY EXAMINER:
                                                                                                           Naff, David M.
Holland & Knight LLP
17
  LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                             11 Drawing Figure(s); 7 Drawing Page(s)
NOMBER OF DEARINGS: 11 Drawing rague(s), Jeaning rage(s),
LINE COUNT: 2121
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double
                            triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, and coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules. A medical condition at a localized site is treated by applying a polymerization initiator and then applying a substantially water-soluble, degradable macromer of at least 200 mw and having at least two crosslinkable substituents, and polymerizing the macromer to form a crosslinkable plymeric material at the site. The crosslinked polymeric material tat the site. The crosslinked polymeric material at the site of the site to another surface such as post-surgical adhesion. A
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LS ANSWER 38 OF 66
ACCESSION NUMBER: 2002:75013 USPATFULL
ACCESSION NUMBER: 2002:75013 USPATFULL
TITLE: Method of delivering oxygen to cells by electrolyzing water
INVENTOR(S): Colton, Clark K., Newton, MA, United States Swette, Larry L., Newton, MA, United States Amessachusetts Institute of Technology, Cambridge, MA, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6368592 B1 20020409
APPLICATION INFO: US 1998-356079 19990716 (9)

NUMBER DATE

PRIORITY INFORMATION: US 1998-93147P 19980717 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Naff, David M.
LEGAL REPRESENTATIVE: Testa. Hurwitz & Thibeault, LLP
NUMBER OF CLAIMS: 15
EXEMPLARY (LAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 11 Drawing Page(s)
LINE COUNT: 1271
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Oxygen is supplied to cells in vitro or in vivo by generating oxygen with an oxygen generator that electrolyzes water to oxygen and hydrogen.

Oxygen can be generated substantially without generating free hydrogen using a multilayer electrolyzer sheet having a proton exchange membrane
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with an oxygen generator that electrolyzes water to oxygen and en.

Oxygen can be generated substantially without generating free hydrogen using a multilayer electrolyzer sheet having a proton exchange membrane sandwiched by an anode layer and a cathode layer. The oxygen generator may be used to supply oxygen to cells contained by a culture plate, a culture flask, a microtiter plate or an extracorporeal circuit, or to cells in an encapsulating chamber for implanting in the body such as an immunoisolation chamber bounded by a semipermeable barrier layer that allows selected components to enter and leave the chamber. A bioactive molecule may be present with the cells. Oxygen can be delivered in situ to cells within the body such as by implanting the oxygen generator in proximity to cell-containing microcapsules in an intraperitoneal space, or by implanting a system containing the oxygen generator in proximity to an immunoisolation chamber containing cells.

L5 ANSWER 37 OF 66 USPATFULL (Continued)
biologically active material may be present when the macromer is
polymerized to provide for delivery of the biologically active
material,

or to provide the polymeric material with a desired property such as resistance to bacterial growth or a decrease in inflammatory response.

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LS ANSWER 39 0F 66 USPATFULL
ACCESSION NUMBER: 2002:57392 USPATFULL
ITITLE: INVENTOR(S): Springer, Timothy A., Newton, Ma, United States
Dustin, Michael L., University City, Mo, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
States
```

	Marlin, Steven D., Danbury, CT, United States
ATENT ASSIGNEE(S): tates	Dana Farber Cancer Institute, Boston, MA, United
	(U.S. corporation)
	NUMBER KIND DATE
ATENT INFORMATION:	US 6358510 B1 20020319
PPLICATION INFO.:	US 1995-479763 19950607 (8)
ELATED APPLN. INFO.:	Division of Ser. No. US 1994-186456, filed on 25 Jan
	1994, now patented, Pat. No. US 5612216 Division of
	Ser. No. US 1990-515478, filed on 27 Apr 1990, now
	patented, Pat. No. US 5284931 Continuation-in-part of
	Ser. No. US 1989-456647, filed on 22 Dec 1989, now
	abandoned Continuation-in-part of Ser. No. US
	1989-373882, filed on 30 Jun 1989, now abandoned
	Continuation-in-part of Ser. No. US 1989-324481, filed
	on 16 Mar 1989, now abandoned Continuation-in-part of
	Ser. No. US 1988-250446, filed on 28 Sep 1988, now
	abandoned Continuation-in-part of Ser. No. US
	1988-189815, filed on 3 May 1988, now abandoned
	Continuation-in-part of Ser. No. US 1988-155943, filed
	on 16 Feb 1988, now abandoned Continuation-in-part of
	Ser. No. US 1987-115798, filed on 2 Nov 1987, now
	abandoned Continuation-in-part of Ser. No. US
	1987-45963, filed on 4 May 1987, now abandoned
OCUMENT TYPE:	Utility
ILE SEGMENT:	GRANTED
RIMARY EXAMINER:	Gambel, Phillip
EGAL REPRESENTATIVE:	Sterne, Kessler Goldstein & Fox P.L.L.C.
UMBER OF CLAIMS:	4
XEMPLARY CLAIM:	1
UMBER OF DRAWINGS:	33 Drawing Figure(s); 25 Drawing Page(s)
INE COUNT:	4852
AS INDEXING IS AVAILAB	LE FOR THIS PATENT.
D The present inve	orion relates to intercellular adhesion melacular

INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to intercellular adhesion molecules
(ICAM-1) which are involved in the process through which lymphocytes
recognize and migrate to sites of inflammation as well as attach to
cellular substrates during inflammation. The invention is directed
toward such molecules, screening assays for identifying such molecules
and antibodies capable of binding such molecules. The invention also
includes uses for adhesion molecules and for the antibodies that are
capable of binding them.

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LS ANSWER 40 OF 66
ACCESSION NUMBER:
TITLE:
INVENTOR(S):
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LS ANSWER 42 OF 66 USPATFULL
ACCESSION NUMBER:

TITLE: Gels for encapsulation of biological materials
Hubbell, Jeffrey A., Concord, MA, United States
Fathak, Chandrashekhar P., Waltham, MA, United States
Pathak, Chandrashekhar P., Waltham, MA, United States
Demai. Neil P., Loba Angelea, CA, United States
Hoasainy, Syed F. A., Austin, TX, United States
Board of Regenta. The University of Texas Systems,
Austin, TX, United States (U.S. corporation)

**NUMBER** KIND** DATE**

**PATENT INFORMATION: US 1997-783187 19970113 (8)

**PATENT ASSIGNEE(S): US 5258870 B1 20010710

**PATENT INFORMATION: US 1997-783187 19970113 (8)

**PATENT INFORMATION: US 1997-83387 19970113 (8)

**PATENT INFORMATION: US 5258914 Continuation of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5259914 Continuation-in-part of Ser. No. US 1992-843485, filed on 128 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992,
```

soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator,

radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

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LS ANSWER 41 OF 66

ACCESSION NUMBER:
TITLE:
INVENTOR(S):
Slepian, Marvin J., Tucson, AZ, United States
Massia, Stephen P., Tucson, AZ, United States
(U.S. corporation)

NUMBER KIND DATE

**NOMBER KIND DATE**

**NOMBER KIND DATE**

**NOW Second States**

**NOW Second Second
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less fluent state in situ; controlled permeability and degradability; and, in the preferred embodimenta, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

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LS ANSWER 43 OF 66

ACCESSION NUMBER:
1TITLE:
2000:83864 USPATFULL
Implantable biocompatable immunoisolatory vehicle for delivery of selected therapeutic products
Dionne, Reith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenaon, Lisa, New Haven, CT, United States
Christenaon, Lisa, New Haven, CT, United States
Scharp, David W., St. Louis, MO, United States
Scharp, David W., St. Louis, MO, United States
Loyaght, Michael J., Greenvich, RI, United States
Lyaght, Michael J., Greenvich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Brown University Research Poundation, Providence, RI,
United States (U.S. corporation)
Brown University Providence, RI, United States
(U.S. corporation)
NUMBER KIND DATE

PATENT INFORMATION: US 6083523 20000704
APPLICATION INFO: Continuation of Ser. No. US 1995-449837, filed on 24
May 1995, now patented, Pat. No. US 5874099 And a continuation-in-part of Ser. No. US 1991-649817, filed on 24 May 1995, now patented, Pat. No. US 5874099 And a continuation-in-part of Ser. No. US 1991-649817, filed on 24 May 1995, now patented, Pat. No. US 5874099 And a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991
United States (U.S. corporation)
DOCUMENT TYPE:
FILE SEGMENT:
FILE SEGME
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L5 ANSWER 44 OF 66 USPATFULL (Continued)
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L5 ANSWER 44 OF 66 USPATFULL
ACCESSION NUMBER: 1999:166965 USPATFULL
                                                                                                                                       Protein sequences of serrate gene products
Ish-Horowicz, David, Oxford, United Kingdom
Henrique, Domingos Manuel Pinto, Oxford, United
      TITLE:
INVENTOR(S):
      Kingdon
                                                                                                                                       Lewis, Julian Hart, Oxford, United Kingdom
Myat, Anna Mary, Oxford, United Kingdom
Fleming, Robert J., Rochester, NY, United States
Artavania-Tsakonas, Spyridon, Hamden, CT, United
     States
                                                                                                                                      Mann, Robert S., Hamden, CT, United States
Gray, Grace E., New Haven, CT, United States
Imperial Cancer Research Technology, Ltd., London,
United Kingdom (non-U.S. corporation)
Yale University, New Haven, CT, United States (U.S.
      PATENT ASSIGNEE(S):
                                                                                                                                       corporation)
                                                                                                                                                                  NUMBER
                                                                                                                                                                                                R KIND DATE
                                                                                                                                  US 6004924 19991221
US 1996-611729 19960306 (8)
Continuation-in-part of Ser. No. US 1995-400159, filed on 7 Mar 1995 which is a continuation-in-part of Ser. No. US 1994-255102, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1993-121979, filed on 14 Sep 1991, now abandoned which is a continuation of Ser. No. US 1991-121979, filed on 14 Sep 1991, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned Utility
        PATENT INFORMATION:
        APPLICATION INFO.:
RELATED APPLN. INFO.:
DOCUMENT TYPE: Utility
FILE SEGMENT: Cranted
FILE SEGMENT: FOR FILE SEGMENT SE
      DOCUMENT TYPE:
                                                                                                                                       Utility
Granted
                                       protein, or any combination of the foregoing. Antibodies to Serrate,
    its
                                        derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic
    methods
                                        and pharmaceutical compositions are provided. In specific examples isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.
```

USPATFULL

1999:36949 USPATFULL

Engineering oral tissues
Mooney, David J., Ann Arbor, MI, United States
Rutherford, Robert B., Ann Arbor, MI, United States
The Regents of the University of Michigan, Ann Arbor,
MI, United States (U.S. corporation) L5 ANSWER 45 OF 66 ACCESSION NUMBER: TITLE: INVENTOR(s): PATENT ASSIGNEE(S): NUMBER KIND DATE
US 5885829 1999032
US 1997-864494 1997052 PATENT INFORMATION: APPLICATION INFO.: 19990323 19970528 (8) NUMBER DATE

PRIORITY INFORMATION: DOCUMENT TYPE: FILE SEGMENT: US 1996-18450P Utility Granted 19960528 (60) Degen, Nancy Arnold, White & Durkee 109 FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:

EXEMPLARY (CLAIM: 1

1 Drawing Figure(s); 11 Drawing Page(s)

LINE COUNT: 8001

CAS INDEXING 15 AVAILABLE FOR THIS PATENT.

AB Disclosed are methods for regenerating dental and oral tissues from viable cells using ex vivo culture on a structural matrix. The regenerated oral tissues and tissue-matrix preparations thus provided have both clinical applications in dentistry and oral medicine and are also useful in in vitro toxicity and biocompatibility testing.

```
LS ANSWER 46 OF 66 USPATFULL ACCESSION NUMBER: 1999:24: TITLE: Methods vehicles
                                                                                               SPATFULL
1999:24325 USPATFULL
Methods for making immunoisolatary implantable
                                                                                                with a biocompatible jacket and a biocompatible matrix
                                                                                             core
core
Dionne, Keith E., Rehoboth, MA, United States
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Hoffman, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webater Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vascohcellos, Alfred V., Cranston, RI, United States
Lywaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Brown University Research Foundation, United States
(U.S. corporation)
 INVENTOR (S) :
 PATENT ASSIGNEE(S):
                                                                                             NUMBER KIND DATE

US 5874099 19990223
US 1995-449837 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
 DOCUMENT TYPE:
                                                                                               Utility
Granted
DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                                                             Bawa, Raj
Elrifi, Ivor R.Mitz, Levin
                                                                                               15 Drawing Figure(s); 9 Drawing Page(s)
                                                                                               3879
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                        DEXING IS AVAILABLE FOR THIS PATENT.

A method of forming an implantable and retrievable immunoisolatory vehicles is disclosed, the method comprising the steps of first forming a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells capable of providing a biologically active product or metabolic or immunologic function, said cells being dispersed in a biocompatible hydrogel or extracellular matrix, and then forming around the core a surrounding external biocompatible thermoplastic or hydrogel jacket free of said cells projecting externally thereof, said jacket having molecular weight cutoff permitting passage of molecules
                          and from the core through said jacket to provide said biologically active product or function.
```

L5 ANSWER 49 OF 66 ACCESSION NUMBER:

INVENTOR(S):

USPATFULL

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L5 ANSWER 47 OF 66 USPATFULL ACCESSION NUMBER: 1999:21TITLE: Methods
                                                                                                                ISPATFULL

1999:12175] USPATFULL

Methods for treatment or prevention of
neurodegenerative conditions using immunoisolatory
implantable vehicles with a biocompatible jacket and a
biocompatible matrix core

Dionne, Keith B., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States

Hoffman, Diane, Cambridge, MA, United States

Schorg, Paul R., Spring Hill, FL, United States

Christenson, Lisa, New Haven, CT, United States

Hegre, Orion D., Green Valley, AZ, United States

Scharp, David W., St. Louis, MO, United States

Lacy, Paul E., Webster Grove, MO, United States

Aebischer, Patrick, Lutry, Switzerland

Vasconcellos, Alfred V., Cranston, RI, United States

Lysaght, Michael J., E. Greenwich, RI, United States

Gentile, Frank T., Warwich, RI, United States

Brown University Research Foundation, United States

(U.S. corporation)
 INVENTOR(S):
   PATENT ASSIGNEE(S):
                                                                                                                                                             SER KIND
                                                                                                                                          NUMBER
                                                                                                                                                                                                                                            DATE
                                                                                                                 US 5871767 19990216

US 1995-449062 19950524 (8)

Division of Ser. No. US 1994-179151, filed on 10 Jan

1994 which is a continuation-in-part of Ser. No. US

1991-692403, filed on 25 Apr 1991, now abandoned
   PATENT INFORMATION:
  APPLICATION INFO .:
RELATED APPLN. INFO .:
                                                                                                                 1991-692403, tiled on 25 Apr
Utility
Granted
Bawa, Raj
Ekrufu, Ivor R.Mintz, Levin
45
 DOCUMENT TYPE:
 DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                                                                                     15 Drawing Figure(s); 9 Drawing Page(s)
 NUMBER OF DEAWINGS: 15 Drawing Figure(a): 9 Drawing Page(a)
LINE COUNT: 3909

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treatment of a neurodegenerative condition in a patient comprising implanting in the patient at least one immunoisolatory vehicle comprising a core comprising a volume of at least 1 .mu.l and
                                 least 10.sup.4 living cells which secrete at least one biologically active product, said cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and an external jacket surrounding the core, the jacket comprising a biocompatible hydrogel or thermoplastic, the jacket being free of cells projecting externally thereof, said jacket having a molecular weight cutoff permitting the passage of the biologically active product from the core through the jacket.
```

1999:21753 USPATFULL

ANSWER 48 OF 66 USPATFULL (Continued)

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L5 ANSWER 48 OF 66 USPATFULL ACCESSION NUMBER: 1999:18950 USPATFULL NUMBER: NUMBER: NUMBER: 1999:18950 USPATFULL
                                                                                                                                         1999:18950 USPATFULL
Nucleotide and protein sequences of the serrate gene
and methods based thereon
18h-Horowicz, David, Oxford, England
Henrique, Domingos Manuel Pinto, Oxford, England
Levis, Julian Hart, Oxford, England
Myat, Anna Mary, Oxford, England
Fleming, Robert J., Rochester, NY, United States
Artavanis-Tsakonas, Spyridon, Hamden, CT, United
     INVENTOR(S):
     States
                                                                                                                                            Mann, Robert S., Hamden, CT, United States
Gray, Grace E., New Haven, CT, United States
Imperial Cancer Research Technology, Ltd., London,
England (non-U.S. corporation)
Yale University, Haven, CT, United States (U.S.
corporation)
     PATENT ASSIGNEE(S):
                                                                                                                                                                        NIMBER
                                                                                                                                                                                                         R KIND DATE
                                                                                                                                            US 5869282 19990209
US 1995-400159 19950307 (8)
Continuation-in-part of Ser. No. US 1994-255102, filed
on 7 Jun 1994, now abandoned which is a continuation
       PATENT INFORMATION.
     APPLICATION INFO.:
RELATED APPLN, INFO.:
                                                                                                                                         Ser. No. US 1993-121979, filed on 14 Sep 1993, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned Utility Granted Carlson, Karen Cochrane Pennie & Edmonds LLP 109
abandoned which is a continuation of Ser. No. us
1991-808458, filed on 11 Dec 1991, now abandoned

DOCUMENT TYPE:
Utility
FILE SEGMENT:
Granted
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
109
EXEMPLARY CLAIM:
1109
EXEMPLARY CLAI
                                        protein, or any combination of the foregoing. Antibodies to Serrate,
                                           derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic
                                          s
and pharmaceutical compositions are provided. In specific examples,
isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and
human, are provided.
```

SPATFULL
1999:18748 USPATFULL
Methods for treating diabetes by delivering insulin from biocompatible cell-containing devices
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Combridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Regre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., Greenwich, RI, United States
Gentile, Frank T., Marwich, RI, United States
Brown University Research Foundation, United States PATENT ASSIGNEE(S): NUMBER KIND DATE

US 5869077 19990209
US 1995-449562 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned Utility
Granted
Bawa, Raj
Elrifi, Ivor R.Mintz, Levin 13 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.; DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT: NUMBER OF DERMINOS: 15 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT:
AB A method for treating diabetes in a patient comprising subcutaneously implanting in the patient at least one immunoisolatory vehicle comprising a core comprising a volume of at least 1 .mu.l and at least about 10.sup.4 living cells which secrete insulin, said cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and a surrounding external jacket of a biocompatible thermoplastic or hydrogel free of said cells projecting externally thereof, said jacket being permaelective and immunoisolatory,
said jacket having a molecular weight cutoff permitting passage of molecules between the patient and core through said jacket wherein the insulin is released from the immunoisolatory vehicle into the patient's body to treat diabetes. 15 Drawing Figure(s); 9 Drawing Page(s)

L5 ANSWER 51 OF 66 USPATFULL ACCESSION NUMBER: 1998:15

TITLE: INVENTOR(S):

PATENT ASSIGNEE(S):

L5 ANSWER 50 OF 66 USPATFULL ACCESSION NUMBER: 1999:440

NUMBER

```
R KIND DATE
                                                                                                       US 5858746 19950112 (8)
US 1995.377911 19950125 (8)
Continuation of Ser. No. US 1993 24657, filed on 1 Mar
1993, now patented, Pat. No. US 5573914 which is a
continuation in-part of Ser. No. US 1992-958870, filed
on 7 Oct 1992, now patented, Pat. No. US 55239914 which
is a continuation:-part of Ser. No. US 1992-870540,
filed on 20 Apr 1992, now abandoned
Utility
      PATENT INFORMATION:
       APPLICATION INFO.:
RELATED APPLN. INFO.:
      DOCUMENT TYPE:
                                                                                                         Utility
Granted
        FILE SEGMENT
                                                                                                        Granted
Lilling, Herbert J.
Arnall Golden & Gregory, LLP
31
       PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
      NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                         11 Drawing Figure(s); 7 Drawing Page(s)
     LINE COUNT: 2333
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double
      LINE COUNT:
                                                                                                        2333
                                 triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly uneful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.
    L5 ANSWER 52 OF 66 USPATFULL ACCESSION NUMBER: 1998:15
                                                                                                         1998:150186 USPATFULL
                                                                                                      loyal John Survivus Callular therapy Slepian, Marvin, Tucson, AZ, United States Massia, Stephen P., Tucson, AZ, United State Endoluminal Therapeutics, Inc., Tucson, AZ, States (U.S. corporation)
    INVENTOR(S):
   PATENT ASSIGNEE(S):
                                                                                                                           NUMBER
                                                                                                                                            BER KIND DATE
                                                                                                    US 5843156 19981201 US 1994-238931 199610506 (8)
Continuation-in-part of Ser. No. US 1993-132745, filed on 6 Oct 1993, now patented, Pat. No. US 5575815 which is a continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-97357, filed on 7 Dec 1992, now abandoned which is a continuation
    PATENT INFORMATION:
    APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                     on 7 Dec 1992, now abandoned which is a continuation Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5212580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned which is a continuation of Ser. No. US 1994-182516, filed on 14 Jan 1994 which is a continuation of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US 1993-101966, filed on A Aug 1993, now patented, Pat. No. US 5328471 which is a continuation of Ser. No. US 1993-859907, filed on 15 Apr 1992, now abandoned which is a continuation of Ser. No. US 1991-759048, filed on 5 Sep 1991, now abandoned which is a continuation of Ser. No. US 1990-485287, filed on 26 Feb 1990, now abandoned
    of
   DOCUMENT TYPE:
                                                                                                       Utility
Granted
     FILE SEGMENT:
  PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                     Brittingham, Debra S.
Arnall Golden & Gregory, LLP
NUMBER OF DRAWINGS: 23 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT:
1484

As industing Is AVAILABLE FOR THIS PATENT.

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a second
                                                                                                      23 Drawing Figure(s); 7 Drawing Page(s)
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less fluent state in situ; controlled permeability and degradability; and, in the preferred embodiments, incorporation of bioactive materia for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

SPATFULL
1999:4407 USPATFULL
Gels for encapsulation of biological materials
Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekhar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Dessi, Neil P., Los Angeles, CA, United States
Hill, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas System,
Austin, TX, United States (U.S. corporation)

```
SPATFULL
1998:150757 USPATFULL
Gels for encapsulation of biological materials
Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekhar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Demai, Neil P., Los Angeles, CA, United States
Hill, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The university of Texas System,
Austin, TX, United States (U.S. corporation)
        TITLE:
INVENTOR(S):
     PATENT ASSIGNEE(S):
                                                                                                                                                                                                                                                                                                                      NUMBER KIND DATE
                                                                                                                                                                                                                                                           NUMBER KIND DATE

19981201
US 1995-467815 19960606 (8)
Divasion of Ser. No. US 1993-24657, filed on 1 Mar
1993, now patented, Pat. No. US 1993-958870, filed
on 7 Oct 1992, now patented, Pat. No. US 1992-958870, filed
on 7 Oct 1992, now patented, Pat. No. US 5529914 which
is a continuation-in-part of Ser. No. US 1992-870540,
filed on 20 Apr 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-843485, filed
on 28 Feb 1992, now abandoned
Utility
Granted
Naff, David M.
Ware, Deborah K.
Arnall, Golden & Golden, LLP
22
1
     PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
On 28 Feb 1992, now abandoned
Utility
FILE SEGMENT: Granted
Naff, David M.
ASSISTANT EXAMINER: Ware, Deborah K.
LEGAL REPRESENTATIVE: Arnall, Golden & Golden, LLP
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Pigure(a); 7 Drawing Page(a)
LINE COUNT: 1829
The County of Chaims of Ch
                                                                        triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhams, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.
```

	SPATFULL
ACCESSION NUMBER: TITLE: INVENTOR(S):	1998:138717 USPATFULL Gels for encapsulation of biological materials Hubbell, Jeffrey A., Austin, TX, United States Pathak, Chandrashekhar P., Waltham, MA, United States Sawhney, Amarpreet S., Newton, MA, United States Desai, Neil P., Los Angeles, CA, United States Hill, Jennifer L., Austin, TX, United States
PATENT ASSIGNEE(S):	Hossainy, Syed F. A., Austin, TX, United States Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)
	NUMBER KIND DATE
PATENT INFORMATION:	US 5834274 19981110
APPLICATION INFO.:	US 1995-467693 19950606 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned
DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Lilling, Herbert J.
LEGAL REPRESENTATIVE: NUMBER OF CLAIMS:	Arnall Golden & Gregory, LLP
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS: LINE COUNT:	11 Drawing Figure(s); 7 Drawing Page(s)
CAS INDEXING IS AVAILAB	
AB Water soluble ma- polymerizable gro	cromers are modified by addition of free radical oups, such as those containing a carbon-carbon double
triple bond, whi- encapsulate tiss polymeric materic coatings for tis- such as islets o for contact with	ch can be polymerized under mild conditions to ues, cells, or biologically active materials. The als are particularly useful as tissue adhesives, oue lumens including blood vessels, coatings for cells [Langerhans, coatings, plugs, supports or substrates biological materials such as the body, and as drug for biologically active molecules.

TITLE: vehicles

INVENTOR(S):

PATENT ASSIGNEE(S):

PATENT INFORMATION:

DOCUMENT TYPE:

LINE COUNT

APPLICATION INFO.: RELATED APPLN. INFO.:

FILE SEGMENT: PRIMARY EXAMINER: LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

matrix

LS ANSWER 54 OF 66 USPATFULL ACCESSION NUMBER: 1998:138

1998:138453 USPATFULL

NUMBER

Bawa, Raj Ivor Elrifi Mintz, Levin

Utility Granted

Methods for making immunoisolatory implantable with a biocompatiable jacket and a biocompatible

Dionne, Keith E., Rehoboth, MA, United States Emerich, Dwaine F., Providence, RI, United States Homerich, Dwaine F., Providence, RI, United States Hoffman, Diane, Cambridge, MA, United States Samberg, Paul R., Spring Hill, FL, United States Christenson, Lisa, New Haven, CT, United States Hegre, Orion D., Green Valley, AZ, United States Sharp, David W., St. Louis, MO, United States Lacy, Paul E., Webster Grove, MO, United States Achisacher, Patrick, Lutry, Switzerland Vasconcellos, Alfred V., Cranston, RI, United States Question, Michael J., Greenwich, RI, United States Gentile, Frank T., Warwich, RI, United States Brown University Research Foundation, United States (U.S. Corporation)

US 5834001 19981110
US 1995-449214 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan
1994 which is a continuation-in-part of Ser. No. US
1991-692403, filed on 25 Apr 1991, now abandoned

ER KIND DATE

15 Drawing Figure(s); 9 Drawing Page(s)

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                             A method of forming an implantable and retrievable immunoisolatory vehicle is disclosed, the method comprising the steps of first forming
                               jacket of biocompatible thermoplastic or hydrogel, and then loading the jacket with a core comprising a volume of at least 1 .mu.1 and at least 10.sup.4 cells capable of secreting a biocompatible matrix comprising a hydrogel or extracellular matrix, said jacket having a molecular weight cutoff permitting passage of molecules thereacross to provide said biologically active product or said function.
       S ANSWER 56 OF 66 USPATFULL
CCESSION NUMBER: 1998:104606 USPATFULL
Gels for encapsulation of biological materials
NVENTOR(S): Hubbell, Jeffrey A., Concord, MA, United States
Pathak, Chandrashekhar P., Waltham, MA, United States
Sawhney, Amarprect S., Newton, MA, United States
Desai, Neil P., Los Angeles, CA, United States
Hossainy, Syed F. A., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Austin, TX, United States (U.S. corporation)
  PATENT ASSIGNEE(S):
                                                                                                      NUMBER KIND DATE

US 5801033 19980901
US 1995-480678 19950607 (8)
Continuation of Ser. No. US 1992-958870, filed on 7
  PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                    1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Utility Granted Lilling, Herbert J. Lyon & Lyon LLP 21
On 28 Feb 1992, now abandoned

DOCUMENT TYPE:
FILE SEGMENT:
FILE SEGMENT:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
LUTILITY
NUMBER OF CLAIMS:
LEGAL REPRESENTATIVE:
LYON & Lyon LLP
NUMBER OF DRAWINS:
17 Drawing Figure(s): 12 Drawing Fage(s)
LINE COUNT:
LINE COUNT:
LYON TS AVAILABLE FOR THIS PATENT.
AB This invention provides novel methods for the formation of biocompatible
membranes around biological materials using photopolymerize
                               membranes around biological materials using photopolymerization of
                            soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator,
                            radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.
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L5 ANSMER 55 OF 66 USPATFULL
ACCESSION NUMBER: 1998:135177 USPATFULL
TITLE: Soluble form
                                                                                       1998:135177 USPATFULL
Soluble fragments of human intercellular adhesion
molecule-1
Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
Dana Farber Cancer Institute, Boston, MA, United
 INVENTOR (S):
 PATENT ASSIGNEE(S):
                                                                                         (U.S. corporation)
                                                                                                          NUMBER
                                                                                                                               R KIND DATE
                                                                                      US 5831036 19981103 (8)
US 1993-140554 19931025 (8)
Division of Ser. No. US 1990-515478, filed on 27 Apr
1990, now abandoned which is a continuation-in-part of
Ser. No. US 1987-45963, filed on 4 May 1987, now
abandoned Ser. No. Ser. No. US 1997-115798, filed on 2
Nov 1997, now abandoned Ser. No. Ser. No. US
1988-155943, filed on 16 Feb 1988, now abandoned Ser.
No. Ser. No. US 1988-189815, filed on 3 May 1988, now
abandoned Ser. No. Ser. No. US 1988-250446, filed on
 PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
28
                                                                                       Sep 1988, now abandoned Ser. No. Ser. No. US
1989-324481, filed on 16 Mar 1989, now abandoned Ser.
No. Ser. No. US 1989-373882, filed on 30 Jun 1989, now
abandoned And Ser. No. US 1989-456647, filed on 22 Dec
1889, now abandoned
                                                                                        1989, n
Utility
Granted
DOCUMENT TYPE:
 FILE SEGMENT:
PRIMARY EXAMINER:
                                                                                        Cunningham, Thomas M.
Sterne, Kessler, Goldstein & Fox P.L.L.C.
  LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                                                         33 Drawing Figure(s); 25 Drawing Page(s)
LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-I) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.
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ANSWER 57 OF 66 USPATFULL
                                                                                  1998:104405 USPATFULL
Methods for coextruding immunoisolatory implantable vehicles with a biocompatible jacket and a biocompatible matrix core
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Marwich, RI, United States
Brown University Research Foundation, United States
(U.S. corporation)
  ACCESSION NUMBER:
                                                                                       1998:104405 USPATFULL
   TITLE:
  INVENTOR (S):
  PATENT ASSIGNEE (S) :
                                                                                                    NUMBER KIND DATE
                                                                                   US 5800829 19980901
US 1995-449274 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan
1994 which is a continuation-in-part of Ser. No. US
1991-693403, filed on 25 Apr 1991, now abandoned
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
  DOCUMENT TYPE:
                                                                                    Utility
Granted
    FILE SEGMENT:
   PRIMARY EXAMINER:
                                                                                    Bawa, Raj
Elrifi, Ivor R.Mintz, Levin
   LEGAL REPRESENTATIVE:
  NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                     15 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3898

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of making an immunoisolatory vehicle comprised of a core comprising living cells dispersed in a biocompatible matrix is disclosed, the cells being capable of secreting a biologically
                        product or of providing a metabolic or immunologic function to an individual, and an external jacket surrounding said core which is a blocompatible, permealective thermoplastic or hydrogel, said
                         being free of said cells, comprising coextruding a suspension
being tree or sear corrections of the comprising said cells dispersed in a precursor matrix material comprising said cells dispersed in a precursor matrix material comprising extracellular matrix components or a biocompatible hydrogel precursor, and a solution of a biocompatible jacket precursor from a nested dual-bore extrusion nozzle, wherein the suspension of (a) is coextruded from the inner bore and the solution of (b) is coextruded from the
                        bore of the nozzle, to form said jacket as the solution of (b) and the suspension of (a) are coextruded; and exposing the vehicle to a treatment that forms a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells and comprising a biocompatible matrix from the precursor matrix of solution (a).
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INVENTOR(S):

PATENT ASSIGNEE(S):

PATENT INFORMATION:

APPLICATION INFO.: RELATED APPLN. INFO.:

L5 ANSWER 58 OF 66 USPATFULL
ACCESSION NUMBER: 1998:104404 USPATFULL
TITLE: Implantable biocompatib

NUMBER

US 5800828

1998:104404 USPATFULL
Implantable biocompatible immunoisolatory vehicle for
delivery of selected therapeutic products
Dionne, Keith E., Rehoboth, MA, United States
Dionne, Keith E., Rehoboth, MA, United States
Hoffman, Diane, Cambridge, MA, United States
Hoffman, Diane, Cambridge, MA, United States
Schaperg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Brown University Research Foundation, United States
(U.S. corporation)

19980901

R KIND DATE

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US 5800828 19980901
US 1994-179151 19940110 (8)
Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned
Utility
Granted
 DOCUMENT TYPE:
   FILE SEGMENT
   PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
                                                                                             Bawa, Raj
Elrifi, Ivor R.Mintz, Levin
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                               15 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3914

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Immunoisolatory vehicles having a core and a surrounding jacket are disclosed, the core having a volume in excess of 1 .mu.1 and at least about 10.sup.4 living cells capable of secreting a biologically active product or of providing a biological function to a patient, the cells dispersed in a biocompatible matrix formed of a hydrogel or an extracellular matrix component, and the external jacket being permaelective, biocompatible and having a molecular weight cutoff permitting passage of molecules between the patient and the core through said jacket to provide said biological product or function.
  LINE COUNT:
L5 ANSWER 60 OF 66 USPATFULL ACCESSION NUMBER: 97:22654
                                                                                           SPATFULL
97:22659 USPATFULL
Nucleotide sequence encoding intercellular adhesion
molecule-1 and fragments thereof
Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
Dana Farber Cancer Institute, Boston, MA, United
 INVENTOR (S):
 PATENT ASSIGNEE(S):
States
                                                                                             (U.S. corporation)
                                                                                                               NUMBER
                                                                                                                                 ER KIND DATE
6 19970318
                                                                                         US 5612216 19970318 US 1994-186456 19940125 (8) Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 And a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned Ser. No. Ser. No. US 1987-15798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US 1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US 1988-155943, Filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US 1988-15984 Ser. No. US 1988-15984 Nov Abandoned Ser. No. Ser. No. US 1989-324481, filed on 16 Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on
 PATENT INFORMATION:
 APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                           Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned
DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
                                                                                           Utility
Granted
                                                                                           Cunningham, Thomas M. Sterne, Kessler, Goldstein & Fox P.L.L.C.
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
NUMBER OF DRAWINGS: 33 Drawing Figure(s); 25 Drawing Page(s)
LINE COUNT: 5205
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                          DEXING IS AVAILABLE FOR THIS PATENT.
The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.
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LS ANSWER 59 OF 66 USPATFULL ACCESSION NUMBER: 1998-100
                                                                                                                                SPATFULL
1998:101409 USPATFULL
Implantable biocompatible immunoisolatory vehicle for
delivery of selected therapeutic products
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasooncellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Brown University Research Foundation, United States
(U.S. corporation)
  INVENTOR(S):
    PATENT ASSIGNEE(S):
                                                                                                                                                              NUMBER
                                                                                                                                                                                            R KIND DATE
                                                                                                                               US 5798113 19980825
US 1995-449524 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan
1994 which is a continuation-in-part of Ser. No. US
1991-692403, filed on 25 Apr 1991, now abandoned
Utility
Granted
Bawa, Raj
Elrifi, Ivor R., Levin, Mintz
33
  PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
CAS INDEXTOR
EXEMPLARY CLAIM:

1 Drawing Figure(s); 9 Drawing Fage(s)

LINE COUNT:

3901

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of providing a biologically active molecule or metabolic or immunologic function to a patient, comprising implanting into the body of the patient at least one immunoisolatory vehicle comprising a core comprising a volume in excess of 1 .mu.l and at least about 10.sup.4 living cells dispersed in a biocompatible matrix formed of a hydrogel or extracellular matrix components, said cells being capable of
                                     secreting a biologically active product or of providing a metabolic or immunologic function to the patient; and an external jacket surrounding said core, said jacket being formed from a thermoplastic or hydrogel, said jacket being free of said cells projecting externally therefrom, said jacket being biocompatible and having a molecular
                                     cutoff permitting passage of molecules between the patient and the core through said jacket to provide said biologically active product of function.
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ANSWER 61 OF 66 USPATFULL SPATFULL

96:105992 USPATFULL

Local polymeric gel therapy
Slepian, Marvin, Tucson, AZ, United States
Massia, Stephen P., Tucson, AZ, United States
Endoluminal Therapeutics, Inc., Tucson, AZ, United
States (U.S. corporation) ACCESSION NUMBER: INVENTOR(S): PATENT ASSIGNEE (S) : NUMBER R KIND DATE US 5575815 19961119
US 1993-132745 19931006 (8)
Continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5213580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned Urility 1988-235998, filed on 2 Utility Granted Brittingham, Debra S. Arnall Golden & Gregory 24 DOCUMENT TYPE FILE SEGMENT PRIMARY EXAMINER: LEGAL REPRESENTATIVE: NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: 22 Drawing Figure(s); 6 Drawing Page(s) NUMBER OF DRAWINGS: 22 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1204
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a second less fluent state in situ; controlled permeability and degradability; and, in some embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen.

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SPATFULL
96:101898 USPATPULL
Gels for encapsulation of biological materials
Rubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashskhar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Desai, Neil P., Los Angeles, CA, United States
Hill-West, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas System,
Austin, TX, United States (U.S. corporation)
TITLE:
INVENTOR(S):
PATENT ASSIGNEE (S):
                                                                                                                           BER KIND DATE
                                                                                                             NUMBER
                                                                                         US 5573934 19961112 US 1993-24657 19930301 (8)
Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Utility
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
DOCUMENT TYPE:
```

filed on 20 Apr 1992, no Utility Granted Lilling, Herbert J. Arnall Golden & Gregory 16 1

L5 ANSWER 62 OF 66 USPATFULL ACCESSION NUMBER: 96:1038

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
FRIMARY EXAMINER: Lilling, Herbert J.
LEGAL REPRESENTATIVE: 16
EXEMPLARY CLAIM: 1
INUMBER OF DRAWINGS: 20 Drawing Figure(s); 14 Drawing Page(s)
LINE COUNT: 2166
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double of

triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

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L5 ANSWER 64 OF 66 USPATFULL
ACCESSION NUMBER: 96:5567
                                                                                    SPATFULL
96:55671 USPATFULL
Gels for encapsulation of biological materials
Hubbell, Jeffrey A., Concord, MA, United States
Pathak, Chandrashekhar P., Austin, TX, United States
Sawhney, Amarpreet S., Newton, MA, United States
Dessi, Neil P., Los Angeles, CA, United States
Hossainy, Syed F. A., Austin, TX, United States
The Board of Regents the University of Texas System,
Austin, TX, United States (U.S. corporation)
INVENTOR (S) :
PATENT ASSIGNEE(S):
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
```

US 5529914 1996625
US 1992-958870 19921007 (7)
Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992 Ser. No. Ser. No. US 1990-598880, filed on 15 Oct 1990, now abandoned And Ser. No. US 1991-740703, filed on 5 Aug 1991, now patented, Pat. No. US 5380536 which is a division of Ser. No. US 1991-740632, filed on 5 Aug 1991, now patented, Pat. No. US 5322984, said Ser. No. US -070540 which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Peb 1992, now abandoned Utility Granted Lilling, Herber DOCUMENT TYPE:

Lilling, Herbert J. Lyon & Lyon PRIMARY EXAMINER: LEGAL REPRESENTATIVE:

and

NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: 17 Drawing Figure(s); 12 Drawing Page(s)

LINE COUNT: 2252 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

This invention provides novel methods for the formation of AB This is biocompatible membranes around biological materials using photopolymerization of

soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator,

radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

L5 ANSWER 63 OF 66
ACCESSION NUMBER:
TITLE:
Holland, Laura M., Providence, RI, United States
Holland, Laura M., Providence, RI, United States
Hammang, Joseph P., Barrington, RI, United States
Rudnick, Seth A., Barrington, RI, United States
Lyeapht, Michael J., E. Greenwich, RI, United States
Dionne, Keith E., Rehoboth, MA, United States
CytoTherapeutics, Inc., Providence, RI, United States
(U.S. corporation)

NUMBER KIND DATE US 5550050 US 1994-228403 Utility Granted 19960827 PATENT INFORMATION: 19940415 (8) APPLICATION INFO .:

DOCUMENT TYPE: FILE SEGMENT:

Rollins, John W. Fish & Neave, Elrifi, Ivor R., Ruskin, Barbara A.

FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:

21 Drawing Figure(s); 8 Drawing Page(s)

NUMBER OF DRAWINGS: 21 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: nvention provides methods for implanting encapsulated cells in a
host comprising exposing cells to restrictive conditions for a
sufficient period of time to establish a desired cell property in
response to the restrictive conditions and implanting the encapsulated
cells in a host, the cell property being substantially maintained
following implantation. Also provided are cells produced by exposure to
restrictive conditions.

ANSWER 65 OF 66 USPATFULL ACCESSION NUMBER TITLE:

95:110539 USPATFULL R6-5-D6, an antibody which binds intercellular adhesion

molecule-1 INVENTOR (S):

mojecure: Timothy A., Newtown, MA, United States Rothlein, Robert, Danbury, CT, United States Marlin, Steven D., Danbury, CT, United States Dustin, Michael L., University City, MO, United States The Dans Farber Cancer Institute, Boston, MA, United PATENT ASSIGNEE(S):

States (U.S. corporation) NUMBER

ER KIND DATE PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

US 5475091 19951212 (8)
US 1994-186457 19940125 (8)
Division of Ser. No. US 1990-515478, filed on 27 Apr
1990, now patented, Pat. No. US 5284931 which is a
continuation-in-part of Ser. No. US 1987-45963, filed
on 4 May 1987, now abandoned And a

continuation-in-part

of Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US 1988-155943, filed on

16

Feb 1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on 28 Sep 1988, no abandoned Ser. No. Ser. No. US 1989-324481, filed on 16

Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 19 Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned

DOCUMENT TYPE: FILE SEGMENT: PRIMARY EXAMINER: LEGAL REPRESENTATIVE: NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: LINE COURT. abandoned Utility Granted Chan, Christina Y. Sterne, Kessler, Goldstein & Fox

NUMBER OF CLAIMS:

EXEMPLARY CLAIM:

1,2

NUMBER OF DRAWINGS:

31 Drawing Figure(s); 25 Drawing Page(s)

LINE COUNT:

5026

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules

(ICAM-1) which are involved in the process through which lymphocytes

recognize and migrate to sites of inflammation as well as attach to
cellular substrates during inflammation. The invention is directled

toward such molecules, screening assays for identifying such molecules
and antibodies capable of binding such molecules. The invention also
includes uses for adhesion molecules and for the antibodies that are
capable of binding them.

L5 ANSHER 66 OF 66 USPATFULL
ACCESSION NUMBER: 94:11498 USPATFULL
TITLE: Intercellular adhesion molecules, and their binding ligands springer, Timothy A., Newton, MA, United States Rothlein, Robert, Danbury, CT, United States Marlin, Steven D., Denbury, CT, United States Dustin, Michael L., University City, MO, United States Dana Farber Cancer Institute, Boston, MA, United

(U.S. corporation)

adhesion molecule-1 (ICAM-1 or CD54) are useful in methods of decreasing
the severity of inflammation associated with the adhesion of leukocytes to cells bearing ICAM-1. Treatment with anti-ICAM-1 antibodies reduced the severity of inflammation associated with acute organ or tissue rejection and prolonged allograft survival time. Such compositions may optionally contain other immunsuppressive agents.